

Net CD-RW DRIVES: ALL YOU NEED TO KNOW

COMPUTER SHOPPER

May 2001
U.S. \$3.99

GET IN GEAR
WITH THESE

COOL tools



THE FIRST 1GHz NOTEBOOK
20 ESSENTIAL PDA APPS
THE LATEST WEB APPLIANCES
MOST VALUABLE MP3 PLAYERS



POWER USER

PRESARIO 7000T-1.3

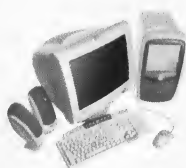
\$2289[†]

As low as \$64 per month¹

Intel® Pentium® 4 Processor 1.30 GHz
256 MB PC800 RDRAM
40.0 GB (7200 rpm) UltraDMA Hard Drive¹
48X Max CD-ROM Drive²
DVD-R/CD-RW Drive
56K ITU V.90 Modem⁴
Creative Labs 1373 Audio with 128 Voices
JBL Platinum Speakers with Digital Audio Port
32 MB SDR Creative 3D Blaster GeForce2 MX
Compaq CV735 17" Monitor (16.0" VIA)

Personalize by choosing:

Klipsch THX Certified Speaker System w/Subwoofer: Add \$154
Compaq C3-1000 All-In-One Print, Scan, and Copy: Add \$249



ENTREPRENEUR

PRESARIO 5000T-933

\$1459[†]

As low as \$41 per month¹

Intel Pentium III Processor 933 MHz
128 MB SyncDRAM — up to 11 MB Shared for Video
40.0 GB UltraDMA Hard Drive¹
48X Max CD-ROM Drive²
8X CD-RW Drive³
56K ITU V.90 Modem⁴
10/100 Network Interface Card
ESS Allegro Integrated PCI Audio
JBL Platinum Speakers with Digital Audio Port
2X AGP with 64-bit Hardware Accelerated 3D Graphics
Compaq CV735 17" Monitor (16.0" VIA)
Microsoft® Office 2000 Small Business® Edition

Personalize by choosing:

Compaq CV935 19" Monitor (18.0" VIA): Add \$140
Compaq A1500 All-In-One Print, Fax, Scan, and Copy: Add \$299

PHOTO ENTHUSIAST

PRESARIO 5000T-933

\$1249[†]

As low as \$35 per month¹

Intel Pentium III Processor 933 MHz
128 MB SyncDRAM — up to 11 MB Shared for Video
30.0 GB UltraDMA Hard Drive¹
48X Max CD-ROM Drive²
8X CD-RW Drive³
56K ITU V.90 Modem⁴
ESS Allegro Integrated PCI Audio
JBL Platinum Speakers with Digital Audio Port
2X AGP with 64-bit Hardware Accelerated 3D Graphics
Compaq CV735 17" Monitor (16.0" VIA)

Personalize by choosing:

Compaq S4/100 Scanner: Add \$99
Compaq LJ1200 Color Inkjet Printer: Add \$129



POWER USER

PRESARIO 1800T-1.0

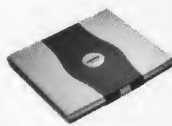
\$2999[†]

As low as \$84 per month¹

Intel Pentium III Processor 1.00 GHz,
featuring Intel SpeedStep™ Technology
15.0" TFT SXGA+ Active Matrix Display
128 MB SyncDRAM
20.0 GB UltraDMA Hard Drive¹
6X DVD/CD-RW Combo Drive²
ATI Mobility Hardware Accelerated 3D Graphics
with 16 MB Video Memory
56K ITU V.90 PCI Modem⁴
Hi-Capacity Lilon Battery
Integrated 10/100 BaseT Ethernet Port
Microsoft® Windows® 2000 Professional

Personalize by choosing:

QuikDock: Add \$99
Additional Battery: Add \$99



ROAD WARRIOR

PRESARIO 1700T-850

\$2199[†]

As low as \$62 per month¹

Intel Pentium III Processor 850 MHz,
featuring Intel SpeedStep Technology
14.1" TFT XGA Active Matrix Display
128 MB SyncDRAM
15.0 GB UltraDMA Hard Drive¹
8X DVD-ROM Drive² with FutureBay™ Technology
8X CD-RW Drive³ with FutureBay Technology
ATI Mobility Hardware Accelerated 3D Graphics
with 8 MB Video Memory
56K ITU V.90 PCI Modem⁴ and 10/100 Ethernet
Hi-Capacity Lilon Battery
256 KB Integrated "On-chip" Cache

Personalize by choosing:

DVD/CD-RW Combo Drive: Add \$50
Leather Carrying Case: Add \$99

JET SETTER

PRESARIO 1700T-750

\$1579[†]

As low as \$44 per month¹

Intel Pentium III Processor 750 MHz,
featuring Intel SpeedStep Technology
13.3" TFT XGA Active Matrix Display
64 MB SyncDRAM
10.0 GB UltraDMA Hard Drive¹
8X DVD-ROM Drive² with FutureBay Technology
ATI Mobility Hardware Accelerated 3D Graphics
with 8 MB Video Memory
56K ITU V.90 PCI Modem⁴ and 10/100 Ethernet
Hi-Capacity Lilon Battery
256 KB Integrated "On-chip" Cache

Personalize by choosing:

Additional Lilon Battery: Add \$99
QuikDock: Add \$99

Compaq PCs use genuine Microsoft® Windows®
www.microsoft.com/piracy/howtotell

[†]All prices shown are Compaq Direct selling prices and do not include monthly Compaq.NET service fees, applicable sales tax and shipping, are valid in the U.S. only, and are subject to change or cancellation without notice. Illustrations may not accurately represent exact configurations. Your APR may be higher. There is no fee for Compaq purchases billed directly to your account. However, there is an access check fee of 3% of the U.S. dollar amount of each advance check (\$5 min./\$30 max.). ¹For hard drives, GB=billion bytes. ²48X Max CD-ROM data transfer rate the data transfer rate may vary from 1500 to 3600 Kbps. ³ITU V.90 modems are designed only to allow faster downloads from K56flex- or V.90-compliant digital sources. Maximum achievable download transmission rates are currently unknown, may not reach 56 Kbps, and will vary by Kbps and a maximum of 8100 Kbps; for recording to CD-R media, the data transfer rate may vary from 150 to 600 Kbps; for writing to CD-RW media, the data transfer rate may vary from 150 to 600 Kbps; for reading to CD media, the data transfer rate may vary from 1500 to 3600 Kbps. ⁴Group, L.P. in the U.S. and other countries. Intel, the Intel Inside Logo, and Pentium are registered trademarks, and Celeron and Intel SpeedStep are trademarks, of Intel Corporation. Microsoft, MS, and Windows are registered trademarks of Microsoft Corporation. Products and compa

FAMILY CHAMPION

PRESARIO 5000T-866

\$979[‡]

As low as \$28 per month[†]

Intel Pentium III Processor 866 MHz
128 MB SyncDRAM — up to 11 MB Shared for Video
30.0 GB UltraDMA Hard Drive¹
48X Max CD-ROM Drive²
56K ITU V.90 Modem⁴
ESS Allegro Integrated PCI Audio
JBL Platinum Speakers with Digital Audio Port
2X AGP with 64-bit Hardware Accelerated 3D Graphics
Compaq CV535 15" Monitor (13.8" VIA)

Personalize by choosing:

Compaq CV735 17" Monitor (16.0" VIA): Add \$70
8X CD-RW Drive³: Add \$149



WEB SURFER

PRESARIO 1200T-700

\$1299[‡]

As low as \$37 per month[†]

Intel Pentium III Processor 700 MHz
12.1" TFT SVGA Active Matrix Display
64 MB SyncDRAM
10.0 GB UltraDMA Hard Drive¹
8X DVD-ROM Drive⁵
Trident CyberBlade Hardware Accelerated 3D Graphics
56K ITU V.90 PCI Modem⁴
NiMH Battery
256 KB Integrated "On-chip" Cache

Personalize by choosing:

Compaq Carrying Case: Add \$39
Additional A/C Adapter w/Powercord: Add \$39

WEB SURFER

PRESARIO 5000T-700

\$779[‡]

As low as \$22 per month[†]

Intel Celeron™ Processor 700 MHz
64 MB SyncDRAM — up to 11 MB Shared for Video
10.0 GB UltraDMA Hard Drive¹
48X Max CD-ROM Drive²
56K ITU V.90 Modem⁴
ESS Allegro Integrated PCI Audio
JBL Platinum Speakers with Digital Audio Port
2X AGP with 64-bit Hardware Accelerated 3D Graphics
Compaq CV535 15" Monitor (13.8" VIA)

Personalize by choosing:

Monsoon MH-500 Speaker System w/Subwoofer: Add \$54
Compaq CV735 17" Monitor (16.0" VIA): Add \$70



LET US BUILD A PC FOR YOU

Choose your processor speed, hard drive, memory, and more. Then add options like digital imaging capabilities, DVD-ROM, and multimedia speakers. Just call us or visit our Web site.

DESKTOP SPOTLIGHT

MyMovieSTUDIO

The Presario 7000T has everything you need to create and share home movies. Editing software, easy-access ports for your digital cameras and camcorders, plus an optional DVD-R/CD-RW drive to capture and play your movies on any DVD player.



GRADUATE

PRESARIO 1200T-766

\$999[‡]

As low as \$28 per month[†]

Intel Celeron Processor 766 MHz
12.1" TFT SVGA Active Matrix Display
64 MB SyncDRAM
6.0 GB UltraDMA Hard Drive¹
24X Max CD-ROM Drive⁵
Trident CyberBlade Hardware Accelerated 3D Graphics
56K ITU V.90 PCI Modem⁴
NiMH Battery
128 KB Integrated "On-chip" Cache

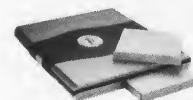
Personalize by choosing:

USB Scroll Mouse: Add \$19
Notebook Backpack: Add \$59

NOTEBOOK SPOTLIGHT

FUTUREBAY™ TECHNOLOGY

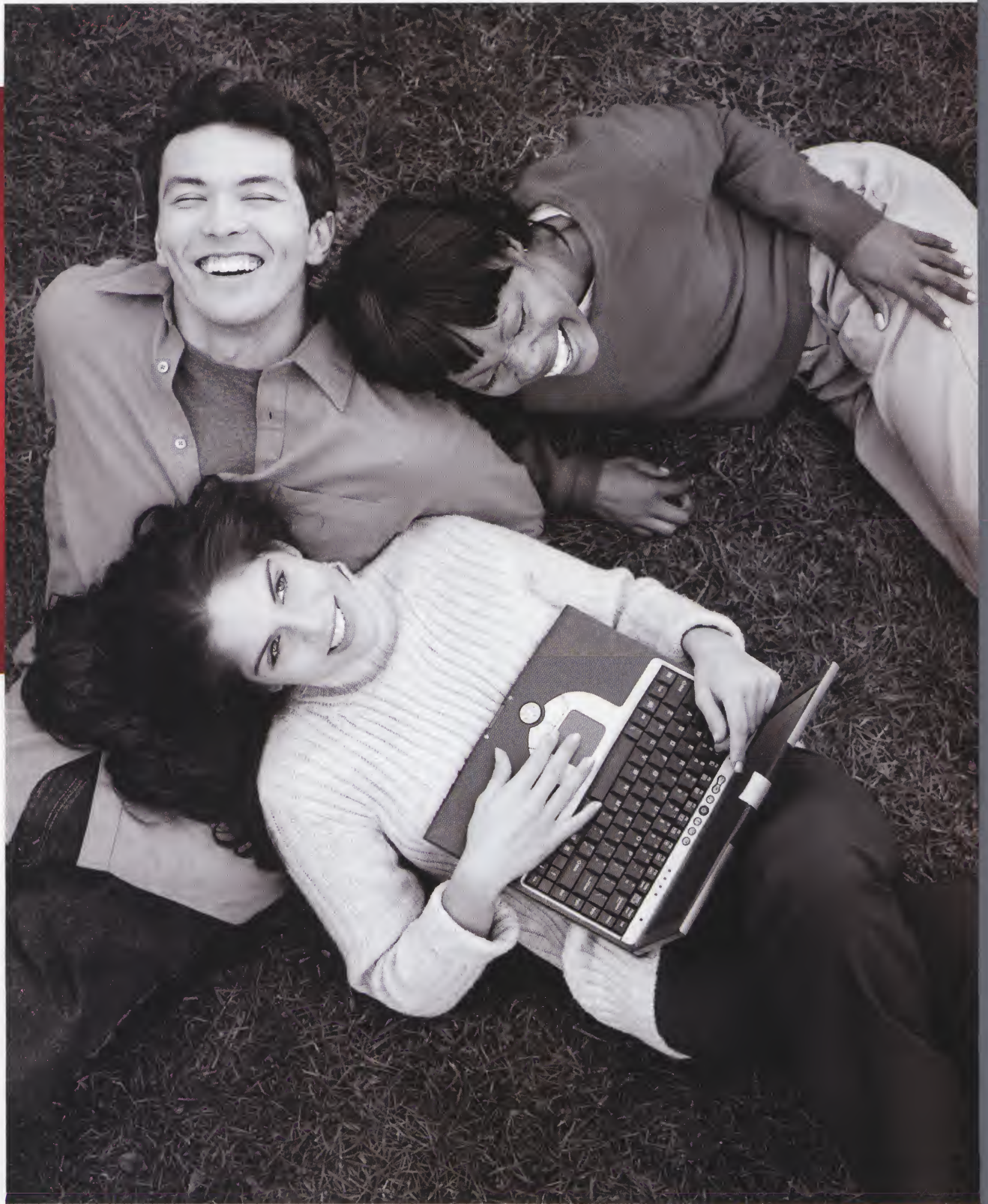
Choose from optional drives, including DVD, CD-RW, CD-ROM, and floppy. When you want to use one of your drives, simply pop it into the FutureBay. It's the ultimate in flexibility in a thin and light notebook.



Prices are suggested retail prices. Retail prices may vary. Compaq is not liable for editorial, pictorial, or typographical errors in this advertisement. [†]Financing on approved credit by arrangement with Compaq Financial Services through MBNA America Bank, N.A. Payment based on a 48-month term at 14.99% APR. Data transfer rates may vary from 2500 to 7200 Kbps. ¹8X CD-RW drive data transfer rates may vary as follows: for recording to CD-R media, the data transfer rate may vary from 150 to 600 Kbps; for writing to CD-RW media, the data transfer rate may vary from 150 to 300 Kbps; for reading to CD media, the data transfer rate may vary from 1500 to 3600 Kbps. ²48X Max CD-ROM drive data transfer rates may vary as follows: for recording to CD-R media, the data transfer rate may vary from 150 to 600 Kbps; for writing to CD-RW media, the data transfer rate may vary from 150 to 300 Kbps; for reading to CD media, the data transfer rate may vary from 1500 to 3600 Kbps. ³24X Max CD-ROM drive data transfer rates may vary as follows: for recording to CD-R media, the data transfer rate may vary from 150 to 600 Kbps; for writing to CD-RW media, the data transfer rate may vary from 150 to 300 Kbps; for reading to CD media, the data transfer rate may vary from 1500 to 3600 Kbps. ⁴56K ITU V.90 PCI Modem data transfer rates may vary as follows: for recording to CD-R media, the data transfer rate may vary from 150 to 600 Kbps; for writing to CD-RW media, the data transfer rate may vary from 150 to 300 Kbps; for reading to CD media, the data transfer rate may vary from 1500 to 3600 Kbps. ⁵6X DVD-ROM drive data transfer rates may vary as follows: 6X DVD-ROM drives read a minimum of 3300 Kbps. Microsoft® Windows® Millennium Edition installed. Compaq, the Compaq Logo, and Presario are registered in the U.S. Patent and Trademark Office, and FutureBay is a trademark of Compaq Computer Corporation. Inspiration Technology is a trademark of Compaq Information Technologies Corporation. All other names mentioned herein may be trademarks and/or registered trademarks of other companies. ©2001 Compaq Computer Corporation. 8321/05/01

COMPAQ

HOME





YOU DREAM IT. WE BUILD IT.

Dream up the perfect PC, and we'll make it a reality. We'll build a Compaq Presario Internet PC just for you. With the latest Intel® Pentium® III processors to power your most demanding applications. Multimedia options that let you view and even create movies. Pro audio systems that amplify your passion for music. Or whatever else comes to mind. Take a look at the ones shown here, and call us direct for yours. Finally, you can be the architect of your dreams.

COMPAQ
Inspiration Technology



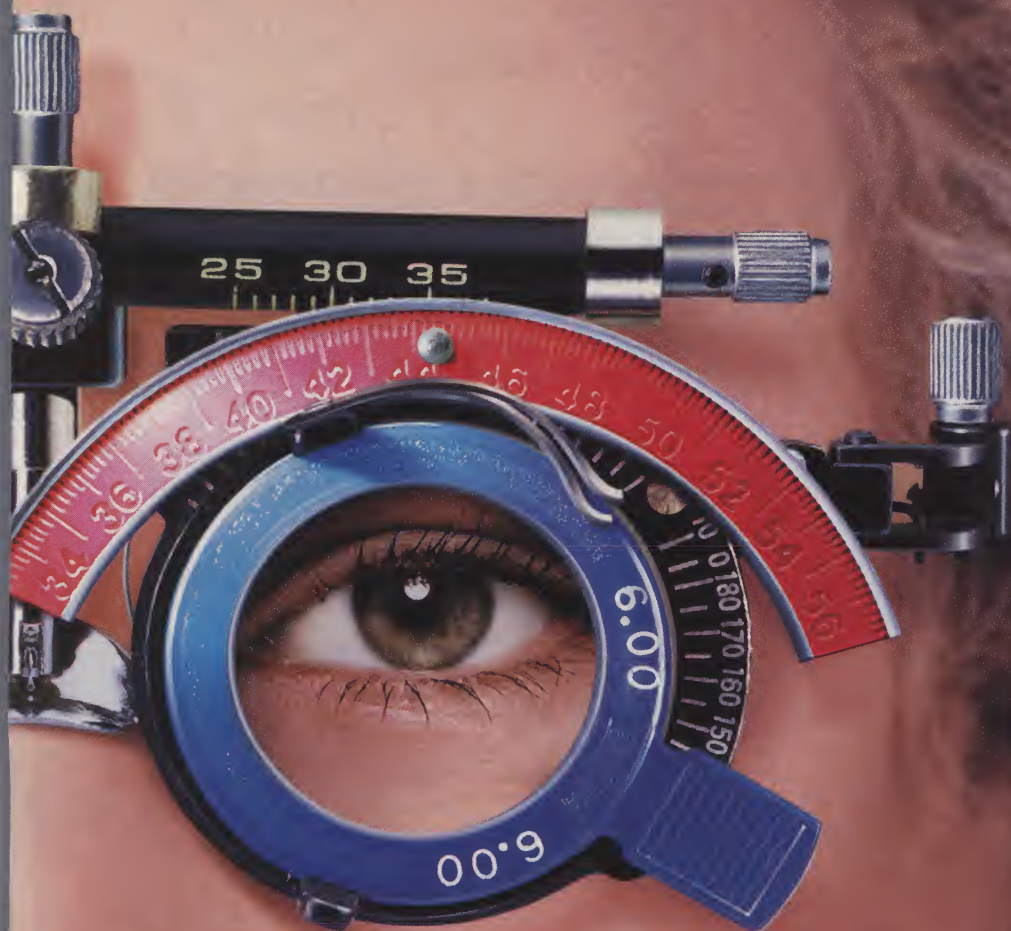
◀ One of the Presario PCs inside is right for you. Take a look.

>> Buy direct from Compaq

1-888-676-9306
toll - free

compaq.com/athome

••• **HYUNDAI**



It'll Change The Way You See The World
HYUNDAI ImageQuest

Monitors are the windows that connect us to the world. So they need to be brilliant, accurate and clear, and specifically designed for the task at hand. Hyundai Monitor has now been reborn as Hyundai ImageQuest, a company created to develop and market a complete range of specialized and advanced image products. From CRT monitors to TFT LCDs, web terminals, PDAs and PC cameras, Hyundai ImageQuest is combining the know-how of the past 14 years with the skills to create and develop the most advanced technologies. The world you want to see will become a great deal clearer.



ImageFlat LM1510A
 (17inch flat faced monitor)



ImageFlat F790D
 (17inch conventional monitor)



PDA-Hi Quest (P230)



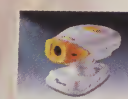
PDA-Hi Quest (P130)



ImageQuest C200



ImageQuest C210



ImageQuest C220

 www.hyundaiQ.com
ImageQuest

*Lexon Industry - www.lexon-usa.com *Egghead.Com - www.egghead.com *PC Mall - www.pcmall.com *Viscom Technology - www.viscom-usa.com *Intcomex-Miami - www.intcomex.com
 *RTI Computers - www.ramcotechnology.com *JDR Computer Products - www.jdr.com *International Electronic Technology - www.ietia.com *Micro Direct Distributors - www.microdir.com

sweet

16

PlexWriter 16/10/40A

The First True 16X CD-RW Drive, Core to Edge.

Plextor® owners can be rather demanding when it comes to CD-RW drives. Always wanting the best. The best performance. Features. Quality. Which is why our new PlexWriter™ 16/10/40A rewritable E-IDE (ATAPI) is the perfect drive for them and anyone—like yourself—who demands perfection.

It's the only drive to offer true 16X speed for an entire burn, from disc core to edge. Which means you'll get the fastest burn possible.

Plus, features you've come to expect from Plextor, including buffer underrun error protection, make it the right choice for anyone who demands perfection. For diverse applications like downloading Web audio or video, archiving digital camera images, and the most reliable back-up you can get, treat yourself to a PlexWriter. Our customers demand the very best and they know what to expect.

What Drives You to Plextor?



PlexWriter
12/10/32A



PlexWriter 12/4/32
July 2000



PlexWriter 8/4/32
December 1999



PlexWriter 12/10/32A
August 2000



PlexWriter 8/20
February 1999



UltraPlexX 40max
July 2000

There is a shortcut to a faster system.



©2001 Micron Semiconductor Products, Inc. All rights reserved. Crucial Technology and the Crucial logo are trademarks of Micron Technology, Inc., and Micron is a registered trademark of Micron Technology, Inc. All other brands and names used herein are the property of their respective owners. Crucial Technology is a division of Micron Semiconductor Products, Inc. Phone 208-363-5500. Fax 208-363-5501. E-mail crucial.sales@micron.com. Crucial Technology is not responsible for omissions or errors in typography or photography.

Online discounts for over 56,000 upgrades at:

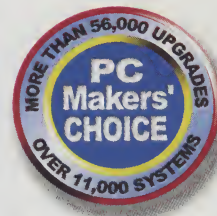
www.crucial.com

or call toll-free 1-888-363-2563



You need Crucial RAM.

Top-quality memory straight from one of the largest memory manufacturers in the world. Upgrade at Crucial.com, and you'll get the same memory leading computer manufacturers put in their systems. Plus, it costs nearly 50% less than our leading competitor.



128MB PC100 SDRAM

\$49⁴⁹

for today's most popular systems

Price reflects an automatic 10% discount for ordering online. Prices were taken on 3/5/01 from Crucial and Kingston Web sites; however, prices can (and do) change daily. Prices may vary according to specific system requirements.

The Memory Experts™

crucial®
TECHNOLOGY
A Division of Micron®

Cougar Mountain Accounting[®] for Windows[®]

Reporting

Avoid wasted bar code labels print

Inventory

Customizable

Labeling Inventory & Reprinting

Order Entry/Invoicing

Add returns — multiple customer deposits

Print inventory reports

So Many Features...
Not Enough Space

Save time & money

Accounts Payable
Customizable

fully integrated

Total Management

Tool

Cougar Mountain Accounting[®]

\$899.50

single user

Special Offer!

For a limited time
3 days of hands-on
training

FREE

at Cougar U!

Valued at **\$795**

with purchase



To learn more about thousands
of features or to place your order,
call today!

800-388-3038

www.cougarmtn.com/cs

System Wide Features



7180 Potomac Drive Boise Idaho 83704



3 Year Limited Parts Warranty
Lifetime Labor Warranty
30 Days Money Back Guarantee
Optional Onsite Service Available
30 Days Earthlink Internet Access
100% Non-Proprietary & Upgradable



GSA Contract #GS-35F-0567K



6X Best Buy Winner

April 2001, Aug 2000, May 2000, Dec 1999, Nov 1999, & May 1999 Computer Shopper Magazine

ZDNet Best Buy - Feb 2001
 "3D WinMark test, scoring upwards of 200 percent higher than some comparably equipped machines."

PC World Top 10 Power PC - March 2001
 "Performance Ultra's 196 score on our PC WorldBench 2000 test is 2 points higher than the Dell Dimension 8100 achieved."

PC World Top 15 Home PC - March 2001
 "Performance 1 can handle just about any task, including running games."

Computer Buyer's Guide Best Buy - March 2001
 "ABS™ has done the impossible...the ABS™ Multimedia System 1 is an absolute steal..."

Best Buy Award - April 2001 Computer Shopper
 "ABS™ has crafted a highly desirable system...it feels like a steal..."

Best Buy Award - Aug 2000 Computer Shopper
 "For everything from image editing to game playing, the ABS™ Performance 3 rules."

Best Buy Award - May 2000 Computer Shopper
 "ABS™ has done an outstanding job of building its Performance Alpha System."

Computer Buyer's Guide Best Buy - Feb 2000
 "The 3D1-GS is a capable system. It is ideal for both home and SOHO users."

Cnet Editor's Choice - Jan 2000
 "ABS™ provides as much power as you could hope for in a low-cost PC."

ABS™ PERFORMANCE 1

- Gigabyte GA-8TX Intel 850 DMA100 Board (P4 Only)
- Kingston or Viking 256MB RDRAM (P4 Only)
- Maxtor 80GB Ultra ATA100 Hard Drive
- 16X DVD-ROM Drive
- 12X10X32 CD-ReWritable Drive
- New Leadtek GeForce3 64MB DDR 4X AGP Card w/TV-Output and new nfiniteFX engine
- Optique Z90 19" 26mm DP 1600x1200 Color Monitor
- Creative Labs SoundBlaster Live! Platinum 5.1 Sound Card
- Creative Labs Cambridge SoundWorks FPS2000 Surround Sound Subwoofer System
- USR PCI Hardware 56K V90 Data/Fax Modem
- 1.44MB Floppy Drive & Microphone
- MS Internet Keyboard & MS IntelliMouse
- Microsoft Windows 98 SE or Millennium Edition
- Free Software: Corel WordPerfect Office 2000 CD
- Add Creative Nomad Jukebox MP3 Player @ \$439
- Optional One-Year Supreme Onsite Service \$29

Intel® Pentium® 4 Processor 1.5GHz #5158
\$2719 1.4GHz \$2499 #5157
 Intel® Pentium® III Processor
 933MHz \$2059 1GHz \$2099 #5154 #5155

ABS™ SUPREME DVD 1

- Computer Shopper Best Buy - May, Nov 1999
- Gigabyte GA-6VX7B-4X VIA 133 DMA100 Motherboard
- Kingston or Viking 256MB 133MHz SDRAM
- Maxtor 40GB Ultra ATA100 Hard Drive
- 16X DVD-ROM Drive
- 12X10X32 CD-ReWriter Drive
- Nvidia GeForce 2 MX 32MB 4X AGP Card w/TwinView
- Optique Z90 19" 26mm DP 1600x1200 Color Monitor
- Creative Labs SoundBlaster Live! Value Sound Card
- Creative Labs Creative Cambridge SoundWorks FPS2000 Digital Surround Sound
- USR PCI Hardware 56K V90 Data/Fax Modem
- 1.44MB Floppy Drive & Microphone
- MS Internet Keyboard & MS IntelliMouse
- Microsoft Windows 98 SE or Millennium Edition
- Free Software: Corel WordPerfect Office 2000 CD
- Optional One-Year Supreme Onsite Service \$29

Intel® Pentium® III Processor 866MHz #5113
\$1489
 933MHz \$1519 1GHz \$1549 #5114 #5115

ABS™ PERFORMANCE RADEON

- Gigabyte GA-8TX Intel 850 DMA100 Board (P4 Only)
- Kingston or Viking 256MB RDRAM (P4 Only)
- Maxtor 40GB Ultra ATA100 Hard Drive
- 16X DVD-ROM Drive
- 12X10X32 CD-ReWritable Drive
- New ATI Radeon 64MB DDR 4X AGP Card w/Video-in
- Optique Z90 19" 26mm DP 1600x1200 Color Monitor
- Creative Labs SoundBlaster Live! X-gamer 5.1 Sound Card
- Creative Labs Cambridge SoundWorks Desktop Theater DTT2500 Subwoofer Sound System
- USR PCI Hardware 56K V90 Data/Fax Modem
- 1.44MB Floppy Drive & Microphone
- Microsoft Internet Keyboard & IntelliMouse
- Microsoft Windows 98 SE or Millennium Edition
- Free Software: Corel WordPerfect Office 2000 CD
- Add Epson Stylus 880 ATA100 Printer @ \$139
- Add Dane-Elec CompactFlash Card Reader @ \$35
- Optional One-Year Supreme Onsite Service \$29

Intel® Pentium® 4 Processor 1.4GHz #5557
\$2119 1.3GHz \$2049 #5156
 Intel® Pentium® III Processor
 800MHz \$1639 933MHz \$1679 #5152 #5154
 866MHz \$1649 1GHz \$1719 #5153 #5155

ABS™ SUPREME DVD 3

- Computer Shopper Best Buy - Dec 1999
- Gigabyte GA-6VX7B-4X VIA 133 DMA100 Motherboard
- Kingston or Viking 128MB 133MHz SDRAM
- Maxtor 30GB Ultra ATA100 Hard Drive
- 12X DVD-ROM
- Optique Z90 19" 26mm DP 1600x1200 Color Monitor
- Nvidia TNT2 M64 w/32MB 4X AGP Video Card
- OpenGL, DirectX, Direct 3D Support
- Creative Labs SoundBlaster PCI128 Sound Card & Mic
- Altec Lansing ACS54 5-Piece Stereo Speaker System w/Powered Subwoofer
- ZOOM 56K V90 Data/Fax Modem
- 1.44MB Floppy Drive & Microphone
- ABS™ Keyboard & ABS™ NetScroll Mouse
- Microsoft Windows 98 SE or Millennium Edition
- Free Software: Corel WordPerfect Office 2000 CD
- Optional One-Year Supreme Onsite Service \$29

Intel® Pentium® III Processor 866MHz #5123
\$1119
 933MHz \$1149 1GHz \$1179 #5124 #5125

ABS™ PERFORMANCE 3

- Computer Shopper Best Buy - Aug 2000
- Gigabyte GA-6VX7B-4X VIA 133 DMA100 Motherboard
- Kingston or Viking 128MB 133MHz SDRAM
- Maxtor 30GB Ultra ATA100 Hard Drive
- 12X DVD-ROM
- Add 12X8X32 CD-RW Drive @ \$139
- New ATI Radeon VE 32MB DDR 4X AGP Card w/Dual Display and Integrated DVI & TV-Output
- Optique Z70 17" 27mm DP 1280x1024 Color Monitor
- Creative Labs SoundBlaster Live! Value Sound Card
- Altec Lansing ACS54 5-Piece Stereo Speaker System w/Powered Subwoofer
- ZOOM 56K V90 Data/Fax Modem
- 1.44MB Floppy Drive & Microphone
- ABS™ Keyboard & ABS™ NetScroll Mouse
- Microsoft Windows 98 SE or Millennium Edition
- Free Software: Corel WordPerfect Office 2000 CD
- Optional One-Year Supreme Onsite Service \$29

Intel® Pentium® III Processor 1.4GHz #5137
\$1439 1.3GHz \$1379 #5136
 Intel® Pentium® III Processor
 800MHz \$1069 933MHz \$1109 #5132 #5134
 866MHz \$1079 1GHz \$1139 #5133 #5135

ABS™ SUPREME 3D-1 GS

- Computer Buyer's Guide Best Buy - Feb 2000
- Gigabyte GA-6VX7B-4X VIA 133 DMA100 Motherboard
- Kingston or Viking 128MB 133MHz SDRAM
- Maxtor 20GB Ultra ATA100 Hard Drive
- Nvidia TNT2 M64 w/32MB 4X AGP Video Card
- OpenGL, DirectX, Direct 3D Support
- 12X10X32 CD-ReWritable Drive
- Optique Z70 17" 27mm DP 1280x1024 Color Monitor
- Upgrade to ViewSonic E95 19" 26mm DP Monitor @ \$69
- Creative Labs SoundBlaster PCI128 Sound Card & Mic
- Altec Lansing ACS33 Subwoofer Speaker System
- ZOOM 56K V90 Data/Fax Modem
- 1.44MB Floppy Drive & Microphone
- ABS™ Keyboard & ABS™ NetScroll Mouse
- Microsoft Windows 98 SE or Millennium Edition
- Free Software: Corel WordPerfect Office 2000 CD
- Optional One-Year Supreme Onsite Service \$29

Intel® Pentium® III Processor 866MHz #5083
\$1019
 933MHz \$1049 1GHz \$1079 #5184 #5185

ABS™ ALL U CAN 1

- Gigabyte GA-6VX7B-4X VIA 133 DMA100 Motherboard
- Kingston or Viking 256MB 133MHz SDRAM
- Maxtor 60GB Ultra ATA100 Hard Drive
- 16X DVD-ROM Drive
- Plextor 16X10X40 CD-ReWritable Drive
- ATI All-in-Wonder Radeon 32MB 4X AGP Video Card w/Video-In/Out, TV-Tuner
- Optique Z90 19" 26mm DP 1600x1200 Color Monitor
- Creative Labs SoundBlaster Live! Platinum 5.1 Sound Card
- Creative Labs Cambridge SoundWorks Desktop Theater DTT3500 Surround Sound Speaker System
- USR PCI Hardware 56K V90 Data/Fax Modem
- 1.44MB Floppy Drive & Microphone
- MS Natural KeyboardPro & MS IntelliMouse
- Microsoft Windows 98 SE or Millennium Edition
- Free Software: Corel WordPerfect Office 2000 CD
- Add USB Digital Web Camera @ \$49
- Optional One-Year Supreme Onsite Service \$29

Intel® Pentium® III Processor 1.4GHz #5197
\$2409 1.3GHz \$2349 #5196
 Intel® Pentium® III Processor
 800MHz \$1939 933MHz \$1979 #5192 #5194
 866MHz \$1949 1GHz \$2009 #5193 #5195

ABS™ CONQUEST DL

- Dual Processor Capable
- Gigabyte GA-6VXD7-4X VIA 133 Dual Motherboard
- Kingston or Viking 128MB 133MHz SDRAM
- Maxtor 40GB Ultra ATA100 Hard Drive
- 16X DVD-ROM Drive
- Nvidia GeForce 2 MX 32MB 4X AGP Card w/Dual Display & TV-Output
- Optique Z90 19" 26mm DP 1600x1200 Color Monitor
- Creative Labs SoundBlaster Live! Value Sound Card
- Altec Lansing ACS54 5-Piece Stereo Speaker System w/Powered Subwoofer
- USR PCI Hardware 56K V90 Data/Fax Modem
- 1.44MB Floppy Drive & Microphone
- MS Internet Keyboard & MS IntelliMouse
- Microsoft Windows 2000 Professional Edition
- Add 12X10X32 CD-ReWritable Drive @ \$139
- Optional One-Year Supreme Onsite Service \$29

Intel® Pentium® III Processor 866MHz #5703
\$1469
 933MHz \$1499 1GHz \$1529 #5704 #5705



800.876.8088

Sales Hours: Mon-Fri 7:00AM-6:00PM PST Sat 9:00AM-1:00PM PST

Technical Support: Mon-Fri 8:30AM-5:30PM PST Technical Support: 800.685.3471

Price, specification, and terms are subject to change without notice. Picture shown with upgraded options. ABS™ is not responsible for errors in typography and/or photography. 30 days money back guarantee does not include opened software, parts, or special orders merchandise. Original shipping and handling fee along with return shipping charge are non-refundable. Products returned after 30 days or in a non-refundable condition are subject to a restocking fee. Onsite service may be provided by contracted third party provider. Technician will be dispatched if necessary following phone support. Intel, the Intel Inside Logo and Pentium are registered trademarks and Celeron is trademark of Intel Corporation.

Corporate Sale: www.abscorporate.com

800.926.8088

Sales Hours: Mon-Fri 7:00AM-5:30PM PST

General Office: 562.695.8823 9997 East Rose Hills Road, Whittier, CA 90601



LIGHTNING IN A BOX

The new **IBM NetVista™ A60** desktop is an awesome display of power and performance.

When it comes to e-business hardware, a little brute force certainly couldn't hurt. And simply put, the new NetVista A60 desktop is a beast. Juiced up with the power of an Intel® Pentium® 4 processor, these PCs will help you blast through the most demanding software applications – without breaking a sweat. That means there's nothing that can keep you from generating more productivity per kilowatt hour.

But of course, power is *meaningless unless you know* what to do with it. And NetVista A60 desktops are designed so they're incredibly easy to set up, use and connect. You also get advanced 32MB graphics capabilities and 128MB of standard memory, enabling you to take full advantage of video-intensive applications and the Internet.² Best of all, these PCs represent a tremendous value when you consider all that you get in return. When it comes to setting the standard for business computing, IBM strikes again with the new NetVista A60.



IBM NetVista A60 desktop
STARTING AT \$1,599¹

LOOK INSIDE:



**for details on powerful e-business tools
available direct from IBM.**



DIRECT TO YOU

Toll free **1 866 426-0904**

ibm.com/smallbusiness/M028

to buy direct or to locate an IBM reseller.

contents

features

Nothing but Net

INTERNET APPLIANCES *by Rick Broida*

The latest Net appliances all promise a hassle-free route to the Web, but is that enough in today's wired world? We go surfing for the answer with five Net devices.

- 3Com Ergo Audrey • eMachines MSN Companion
- Gateway Connected Touch Pad • NadaPC SurfBoard
- New Internet Computer NIC



96

Most Valuable Players

MP3 PLAYERS *Introduction by Steve Schwartz, reviews by Denny Atkin, Aimee Baldrige, Ken Feinstein, and John Morris*

The tiny MP3 player looks poised to be the Next Big Thing. And with CD-quality sound, no-skip playback, and extras such as bookmarking features, preset and customizable equalization, and built-in voice recording, you may wonder why it's taken so long.

- Intel Pocket Concert Audio Player • Nike PSA Play 120
- Philips Rush SA101 • RCA Lyra2 RD2211 • Sonicblue Rio 800



104

Rewritable, Right Now

SHOPPER'S GUIDE TO CD-RW DRIVES *by M. David Stone*

In a sea of optical-drive options, CD-RW is rising to the top as the preeminent choice for most desktops. Find out if it's right for you, and how to shop for a winning drive.

Empower Your PDA

PDA APPS *by David English*

Third-party applications and interfaces can make your Palm, Pocket PC, or other handheld easier to use, much more productive, and fun. Here are our picks for 20 of the best additions you can make to your pocket pal.

Building the Best Machine

PC VENDOR SITES *by Kevin Shay*

A customized computer is only a click away. We tell you how to order exactly what you want directly from the PC vendors' Web sites—and which sites have the features that will help.

Web Wallets Make Shopping Simple

DIGITAL WALLETS *by Elaine X. Grant*

Online shopping is convenient and fun—as long as you don't mind entering your address and credit-card number 57 times. Learn how digital wallets take the tedium out of online checkout.



Computer Shopper (ISSN 0886-0556) is published monthly, for \$24.97 per year in the U.S. and \$70.97 per year outside the U.S., by ZD Inc., a CNET Networks company, 28 E. 28th St., New York, NY 10016-7930. Periodicals Mail postage paid at New York, NY, and additional mailing offices. Canadian GST registration number is 140496720 RT. POSTMASTER: Send address changes to Computer Shopper, P.O. Box 52568, Boulder, CO 80328-2568. Entire contents Copyright ©2001 ZD Inc. All rights reserved. To reuse any material in this publication, submit a permission request form online at www.copyright.com/ziffdavis/. For more information, or to have a permission request form sent to you, please call (425) 430-1663, fax (425) 430-1688, or e-mail ziffdavis@copyright.com. For high-quality reprints, minimum quantity of 100, please contact Reprint Services by calling (651) 582-3800, faxing (651) 633-1862, or e-mailing zdrprints@reprintsolutions.com. Material in this publication may not be reproduced in any form without written permission. "Computer Shopper" and "Computer Shopper Best Buy of the Year" are trademarks of ZD Inc. ZDNet is a registered service mark of ZD Inc. ZDNet Logo is a service mark of ZD Inc.

PRINTED IN THE U.S.A.

MAY 2001 • Volume 21 • Number 5 • Issue 254

See page

114



121

104

80

96

news

Net Now

ProQuest puts all the news that was fit to print online—but is it the best way to preserve historic newspapers? Plus, short films starring Lego figures light up the Web, and more.

Hot Gear

- Palm m505
- Microtek ScanMaker 5700
- Compaq iPaq Music Center
- Card Access Audible Advisor
- Cidco Mivo 300
- Sony Digital Relay CRX10U-A2
- Kodak mc3



opinions

- John Blackford
- John Dvorak
- Jim O'Brien
- Michael Slater

best buys

Let our editors help you select the greatest desktop computers, PC peripherals, mobile gear, software, and games.

38



Web pointers to expanded coverage on ZDNet.

Look for them in our [Features](#), [Reviews](#), and [Help & How-To](#) sections, as well as on pages with [ZDNet Downloads](#).



Computer Shopper • MAY 2001

9

contents...continued

web buyer

Site Reviews 151

Got tech? Our handpicked directory points you to dozens of must-see shopping sites for PCs, peripherals, and software. **PLUS** With a little online digging, find everything you need to grow the perfect garden.

business buyer



NETWORKABLE

Cut the Cord 184

A wireless network has many advantages, including lower cost and ease of setup. Here's what you need to know to get started.

Trends 177

Get some great bargains at online auctions of equipment from failed dot-coms. Also, private exchanges are gaining favor over their public counterparts, and broadband access at work is on the rise.

e-Services and Tools 181

Hang Up and Hop Online: Internet phone services can save your small business some big bucks on long-distance charges.

Building Your Business 182

Bull's-Eye Marketing: Use these techniques to reach active shoppers with your advertising messages.

help & how-to



TUNE-UP

Mastering the Mail 202

You probably spend a significant amount of time every day reading and writing e-mail. Our primer on Outlook Express shows you how to make the most of every minute.

The Hard Edge by Alice Hill & Bill O'Brien 192

Alice flees to Paris to escape tablet computers, Bill stays home and finds the planet's fastest CD-RW drive, and both tackle technical ponderables.

Alfred Poor's Computer Cures 206

Alfred saves one system from destructive dust, prevents another from getting stuck at shutdown, and straightens out an inkjet reluctant to print lines.

Buying Advisor 212

Power Priced Right: Our Advisor tracks down an under-\$1,700 PC that packs power, high-end components, and a premium warranty.

reference

Product Index 215

Check here for an index of products sold by *Computer Shopper* advertisers, sorted by category.

Spotlight 188

Ad Index 224

Showcase 229

from the editor

Janice Chen 17

from the readers

Feedback Forum 20

Instant Price Checks!

Get real-time pricing and availability for any product reviewed in this magazine: From your desktop Web browser or any Web-enabled cell phone, go to priceit.zdnet.com and enter the numeric code listed with any product review.

For Palm VII users: Go to wireless.zdnet.com, select "ZDNet To Go," and download the ZDNet Palm VII application.



A better way to use the Web.

reviews

DESKTOPS

ABS Performance Xtreme	60
Compaq iPaq Desktop	61
Gateway Performance 1300	64

HARDWARE

Hercules 3D Prophet II MX Dual Display Video	66
Mysmart Pad	66
Olympus C-211 Zoom	68
CD CyClone CDRevo CD-RW 4/4/32	68
Philips 107T	72

NETWORKS

Raylink Wireless Networking	72
-----------------------------------	----

MOBILE

Toshiba Tecra 8200	76
KDS ThinNote 2370iPT	78
Gateway Solo 9500	80
Dell Inspiron 8000	82
GeoDiscovery Geode GPS Module	84
Samsung Upoar SPH-M100	84

SOFTWARE

Adobe Premiere 6	86
Click to Convert 2.5	86
AVX Professional	90
Media Jukebox 6.0	90

WEB SERVICES

Aimster 3.19 beta	92
Netflix	92

GAMES

• Odyssey: The Search for Ulysses • Oni • SimCoaster	
• Stupid Invaders	94

New

checking out

Infrequent answers to frequently asked questions, Robin Williams goes postal, and, just for Mother's Day, e-cards from the toilet!.....

235

DESKTOPS

Stylish, reliable and easy to use

Desktop computing solutions that let you get the job done, simply and affordably. Choose the performance you need, priced to fit your budget.



IBM NetVista X40

CUSTOMIZE YOURS:

IBM NetVista A20m

Performance on a budget

Intel® Celeron™ processor 700MHz¹
64MB RAM
20GB HDD
48X-20X CD-ROM
10/100 Ethernet
Microsoft® Windows® Millennium Edition
Microsoft Office 2000 Small Business⁷
15" monitor (13.9" viewable, Part #15MONB1)
3-year parts/1-year onsite labor limited warranty⁸
Part #6280S1U

\$899

SuccessLease™
for Small Business *\$32/MO., 36 MOS.

Lexmark Z32 Color Jetprinter (Stealth Black, Part #22P5337) \$79.99 or \$3/month

IBM NetVista A40

Stability and manageability

Intel Pentium® III processor 1.0GHz
128MB RAM
20GB HDD
48X-20X CD-ROM
10/100 Ethernet
Microsoft Windows 2000
17" monitor (15.9" viewable, Part #17MONW1)
3-year parts/1-year onsite labor limited warranty
Part #6578TAU

\$1,499

SuccessLease
for Small Business *\$53/MO., 36 MOS.

Iomega Zip 250MB Ext. USB Drive
(Part #22P5787) \$179.99 or \$6/month

Don't see Microsoft Office 2000 Small Business on your system? Ask for Part #22P6767 and we'll a

NOTEBOOKS

Sleek, powerful and durable

Enhance and simplify your computing e-xperience with the ideal choice for mobile users – competitively priced for any need.



IBM ThinkPad X21

CUSTOMIZE YOURS:

IBM ThinkPad i Series

Affordable

Mobile Intel Celeron processor 600MHz
12.1" SVGA TFT display
64MB SDRAM • 10GB HDD
24X-10X CD-ROM
Integrated 56K V90 modem
Integrated SMI LynxEM graphics
SoundBlaster Pro Audio
Windows Millennium Edition
Lotus SmartSuite Millennium Edition
ThinkPad Button
5.9 lbs. travel weight
1-year EasyServ
Part #116142U

\$1,149

SuccessLease
for Small Business *\$41/MO., 36 MOS.

64MB SDRAM Upgrade
(Part #20L0254) \$65 or \$2/month

IBM ThinkPad A21e

Desktop alternative

Mobile Intel Celeron processor 650MHz
12.1" SVGA TFT display
64MB SDRAM • 20GB upgradable HDD
Ultrabay™ 2000 24X-10X CD-ROM
Integrated 56K V90 modem
4MB ATI Rage Mobility M graphics
Windows 98 Second Edition
Lotus SmartSuite Millennium Edition
ThinkPad Button
5.7 lbs. travel weight
1-year EasyServ
Part #265521U

\$1,449

SuccessLease
for Small Business *\$51/MO., 36 MOS.

ThinkPad Port Replicator
(Part #02K8667) \$149 or \$5/month

Don't see Microsoft Office 2000 Small Business on your system? Ask for Part #22P6767 and we'll a

SERVERS

New tools for a new world

Face the e-business challenge with innovative technology and application flexibility. Choose affordable, industry-standard IBM servers.



IBM @server xSeries 330

CUSTOMIZE YOURS:

IBM @server xSeries 200

Designed to meet the computing needs and budgets of small businesses

Intel Celeron processor 733MHz
64MB ECC memory std/15GB max¹⁵
20GB Ultra-ATA 100 EIDE HDD standard¹⁶
Maximum internal storage of 145.6GB
3.5" floppy disk drive • 48X-20X CD-ROM
Integrated 10/100 Ethernet
5 available slots/4 available bays
Toolless chassis
Tower design with optional 4U rack mounting
3-year limited warranty
Part #847821X

\$999

SuccessLease
for Small Business *\$35/MO., 36 MOS.

Additional 64MB ECC SDRAM Memory
(Part #33L3079) \$59 or \$2/month

NEW IBM @server xSeries 220

Leading technology that's affordable

Pentium III processor 933MHz • Dual processor capable
128MB memory std/4GB max
Max internal storage of 145.6GB/no HDD std
Support for 3 hot-swap hard drives
3.5" floppy disk drive • 48X-20X CD-ROM
Integrated 10/100 Ethernet
Integrated Ultra160 SCSI controller
5 available slots/5 available bays
Diagnostic LEDs • Automatic server restart
Toolless chassis
Tower design with optional 4U rack mounting
3-year limited warranty
Part #86454AX

\$1,892

SuccessLease
for Small Business *\$67/MO., 36 MOS.

APC Smart-UPS 700
(Part #94G3134) \$319 or \$11/month

¹Pricing shown is price available from IBM directly; reseller prices may vary. IBM price does not include tax or shipping and is subject to change without notice. ²Requires separate Internet account. ³MHz/GHz only measures microproc approximately 80% of maximum performance mode. ⁴System includes chipset that uses some main memory for the video subsystem. The amount used will vary depending on video mode and may be as much as 8MB. Thus, actual CD-RW write and re-write speeds vary and list only the maximum possible. Actual CD-RW, DVD-ROM and CD-ROM speeds will vary and are often less than the maximum possible. The read and write results of the CD-RW drive depend on manual or all program functionality. For non-IBM software, applicable third-party licenses may apply. Warranty, service and support for non-IBM products, if any, are provided by third parties, not IBM. IBM makes no representations or to additional charges. Warranty does not include ThinkPad battery, which is covered by a separate 1-year limited warranty. For warranties including onsite labor, customer may be asked certain diagnostic questions before a technician is the third party. Featured monthly lease payments are based on a 36-month term with prespecified purchase option at the end of lease, to qualified business customers only, installing in the US. A documentation fee and first month's pay be capable of receiving at up to 56Kbps with compatible phone line and server equipment, and transmitting at up to 31.2Kbps. Public networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many and options. ¹⁵This product is manufactured for and distributed and sold by Port/Targus. IBM, the IBM logo and IBM trade dress are owned by International Business Machines Corporation and are used under license from IBM. IBM does a ZD BatteryMark™ Version 3.0 or 4.0 Battery Rundown Time of the times shown above. This test was performed without independent verification by ZD. ZD makes no representations or warranties as to these test results. BatteryMark™ vary based on many factors including screen brightness, applications, features, power management, battery conditioning and other customer preferences. ¹⁶Titanium Composite Carbon Fiber Reinforced Plastic has three times the str optional memory module. ¹⁷Maximum internal hard disk drive capacity assumes the replacement of any standard hard disk drives and the population of all hard disk drive bays with the largest currently supported drives available from I Corporation. Lotus and SmartSuite are registered trademarks of Lotus Development Corporation, an IBM company. Intel, the Intel Inside logo and Pentium are registered trademarks and Celeron and SpeedStep are trademarks of Intel Co

IBM recommends Windows 2000 Professional for business.

IBM NetVista A60

Ultimate performance for maximum computing
Pentium 4 processor 1.30GHz
128MB PC 600 RDRAM
20GB HDD
48X-20X CD-ROM
10/100 Ethernet
32MB NVIDIA TNT2 graphics
Windows 2000
Microsoft Office 2000 Small Business
17" monitor (15.9" viewable, Part #17MONB1)
3-year parts/1-year onsite labor limited warranty
Part #683320U

\$1,599

SuccessLease
for Small Business *\$56/MO., 36 MOS.

HP OfficeJet T45 All-in-One
(Part #01N1369) \$299.99 or \$11/month

IBM NetVista A60

Ultimate performance for maximum computing
Pentium 4 processor 1.50GHz
256MB PC 600 RDRAM
60GB HDD
12X/8X/32X-8X* CD-RW
10/100 Ethernet
Windows 2000 Professional
Microsoft Office 2000 Small Business
17" monitor (15.9" viewable, Part #17MONB1)
3-year parts/1-year onsite labor limited warranty
Part #683361U

\$2,439

SuccessLease
for Small Business *\$86/MO., 36 MOS.

IBM InfoPrint 12 Laser Printer
(Part #4912001) \$399 or \$14/month

IBM NetVista X40

Bold, space-saving design
Pentium III processor 933MHz
128MB RAM
20GB HDD
24X-10X CD-ROM
10/100 Ethernet
Windows 2000
Lotus® SmartSuite® Millennium Edition
15" TFT display
3-year parts/1-year onsite labor limited warranty
Part #664332U

\$2,499

SuccessLease
for Small Business *\$88/MO., 36 MOS.

HP DeskJet 932C Color Printer
(Part #01N1364) \$199.99 or \$7/month

dd it for an additional cost.

IBM ThinkPad A22m

Desktop alternative
Mobile Pentium III processor 850MHz
featuring Intel SpeedStep™ technology
14.1" XGA TFT display
64MB SDRAM • 20GB upgradable HDD
4MB ATI Rage Mobility M graphics
Ultrabay 2000 8X-2X DVD-ROM
Mini PCI 56K V90 modem
Windows 98 Second Edition
Lotus SmartSuite Millennium Edition
ThinkPad Button
6.7 lbs. travel weight
1-year EasyServ
Part #2628R1U

\$2,099

SuccessLease
for Small Business *\$74/MO., 36 MOS.

ThinkPad A Series Carrying Case¹²
(Part #00N9822) \$79.99 or \$3/month

IBM ThinkPad X21

Ultraportable
Mobile Pentium III processor 600MHz
featuring Intel SpeedStep technology
12.1" SVGA TFT display
64MB SDRAM • 10GB upgradable HDD
Mini PCI 56K V90 modem
4MB SDRAM ATI Rage Mobility M graphics
Windows 98 Second Edition
Lotus SmartSuite Millennium Edition
3.5-hour¹³ Li-Ion battery
Titanium Composite cover¹⁴
ThinkPad Button
3.5 lbs. travel weight
3-year EasyServ
Part #266221U

\$2,849

SuccessLease
for Small Business *\$101/MO., 36 MOS.

UltraBase X2 Media Slice for X Series
(Part #08N1180) \$199 or \$7/month

IBM ThinkPad T21

Performance and portability
Mobile Pentium III processor 900MHz
featuring Intel SpeedStep technology
14.1" XGA TFT display
128MB SDRAM • 20GB upgradable HDD
Ultrabay 2000 8X-2X DVD-ROM
Mini PCI 56K V90 modem
8MB SGRAM Savage IX8+ graphics
Windows 98 Second Edition
Lotus SmartSuite Millennium Edition
3.5-hour Li-Ion battery
Titanium Composite cover • ThinkPad Button
4.7 lbs. travel weight
3-year EasyServ
Part #26474CU

\$3,149

SuccessLease
for Small Business *\$104/MO., 36 MOS.

HP DeskJet 350C Portable Printer
(Part #19K5690) \$279.99 or \$10/month

dd it for an additional cost.

NEW IBM @server xSeries 230

The right blend of price and performance
Pentium III processor 1.0GHz • Dual processor capable
128MB memory std/4GB max
Max internal storage of 218.4GB/no HDD std
Support for 6 hot-swap hard drives
3.5" floppy disk drive • 40X-17X CD-ROM
Integrated 10/100 Ethernet
Integrated dual Ultra160 SCSI controller
5 available slots/8 available bays
Advanced system management processor
Light Path Diagnostics™ • Predictive Failure Analysis®
Toolless chassis
Tower design with optional 5U rack mounting
3-year limited onsite warranty
Part #865861Y

\$2,603

SuccessLease
for Small Business *\$92/MO., 36 MOS.

IBM 20/40GB DDS/4 Internal Tape Drive
(Part #00N7991) \$879 or \$31/month

IBM @server xSeries 330

Rack dense 1U server for demanding e-business applications
Pentium III processor 933MHz
Dual processor capable
256MB memory std/4GB max
Max. internal storage of 72.8GB/no HDD std
2 available hot-swap drive bays
3.5" floppy disk drive • 24X-10X CD-ROM
Integrated dual 10/100 Ethernet
2 available PCI slots
Enhanced Light Path Diagnostics
C2T Cable Chaining Technology – eliminates up to 120 cables in a full rack!
3-year limited onsite warranty
Part #865441Y

\$2,566

SuccessLease
for Small Business *\$91/MO., 36 MOS.

36.4GB 10K-4 Ultra160 Hot-swap Hard Drive
(Part #37L7206) \$731 or \$26/month

NEW IBM @server xSeries 340

A 3U server engineered for business-critical reliability and scalability
Pentium III processor 1.0GHz • Dual processor capable
128MB memory std/4GB max
Max internal storage of 218.4GB/no HDD std
3 available hot-swap drive bays/optional support for 6
Hot-swap power and fans with optional redundancy
3.5" floppy disk drive • 24X-10X CD-ROM
Integrated dual Ultra160 SCSI controller
Integrated 10/100 Ethernet • 5 available PCI slots
Advanced system management processor
Light Path Diagnostics
3U rack optimized design
3-year limited onsite warranty
Part #86566RY

\$3,106

SuccessLease
for Small Business *\$103/MO., 36 MOS.

ServeRAID™ 4M Dual Channel RAID Adapter
(Part #37L6080) \$1,435 or \$51/month

An IBM e-business advantage for small business

essor internal clock speed; many factors affect application performance. For mobile Intel Pentium III processors featuring SpeedStep technology, this denotes maximum performance mode; battery optimization mode is cessible system memory is less than the amount stated. ¹²GB equals one billion bytes when referring to storage capacity; accessible capacity may be less. ¹³CD-RW, DVD-ROM and CD-ROM drives list a variable read rate. on the quality and characteristics of the CD-R and CD-RW media used. Poor results may be obtained with some media suppliers. ¹⁴Some software may differ from its retail version (if available), and may not include user warranties regarding non-IBM products. ¹⁵For terms and conditions or copies of IBM's Statement of Limited Warranty, call 1 800 772-2227 in the US and in Canada call 1 800 426-2255. Telephone support may be subject sent. ¹⁶SuccessLease is offered and administered in the US, Canada and other countries by third-party providers of business financing approved by IBM Global Financing. SuccessLease terms and conditions provided by ment due at lease signing. Any taxes are additional. Other lease terms and structures are available. Offer may be withdrawn or changed without notice. Options cannot be leased separately from system unit. ¹⁷Designed to factors and are often less than the maximum possible. ¹⁸Includes battery and optional travel bezel instead of optical drive in Ultrabay 2000, if applicable; weight may vary due to vendor components, manufacturing process not manufacture this product and provides no warranty or support for this product. Please contact Port/Targus for all questions/comments and service or support related to this product. ¹⁹These model numbers achieved is a trademark of ZD Inc. in the US and other countries. A description of the environment under which the test was performed is available at ibm.com/pc/www/thinkpad/batterylife.html Battery life (and recharge times) will length of ABS plastic as tested by IBM using the high flex modulus test on 2/28/00. Available on select models. ²⁰Maximum memory varies depending on model, and may require replacement of standard memory with BM. IBM reserves the right to alter product offerings and specifications at any time, without notice. SuccessLease and all IBM product names are registered trademarks or trademarks of International Business Machines Corporation. Microsoft and Windows are registered trademarks of Microsoft Corporation. Other company, product and service names may be trademarks or service marks of others. ©2001 IBM Corp. All rights reserved.

"When will the computers be ready for the new people?"

Translation: I think I forgot to tell you about the new people.



How to give your employees the computers they need and IT a helping hand.

At CDW, we understand there are a lot of demands when it comes to purchasing technology - not all of them reasonable. That's why we have products in stock and a dedicated account team to help solve these problems. Even the ones you didn't know about.

Computers: We stock hundreds of name brand desktops, notebooks and servers with a wide variety of features. Most orders will ship out the same day.



Custom Configuration: With thousands of name brand software and hardware products in stock, CDW will configure and test any combination you need.



Personal Account Manager: CDW assigns an account manager and a team of product experts to your business so we really get to understand your IT needs.



www.cdw.com

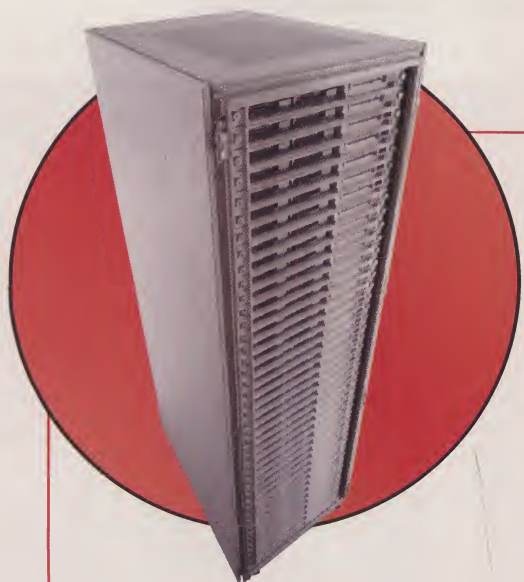


800-726-4239



*Computing Solutions
Built for Business®*

Get the computing solutions you need



COMPAQ

ProLiant DL360R Series server 933MHz Intel® Pentium® III processor

Ideal for companies requiring ultra high-density rack servers, the **Compaq ProLiant DL360R Series server** has a 1U (1.75") rack form-factor, allowing for up to 42 servers in a standard Compaq 42U rack.

\$2649.91 CDW 253385

NEC/Mitsubishi MultiSync LCD1700M 17" active-matrix LCD

With a 17" viewable image size, **NEC/Mitsubishi MultiSync LCD1700M** delivers crisp images and vibrant colors.

\$1279.00 CDW 252076

hp procurve 2524 switch 24-port 10/100BASE-TX managed stackable switch

The **HP Procurve 2524 switch** is a managed stackable 24-port switch with 10/100BASE-TX autosensing per port, which is ideal for low-cost migration to 10/100BASE-TX managed switching with uplinks.

\$959.59 CDW 245297

APC Smart-UPS 1000NET 1000VA battery backup with 6-outlets

Protect your business from dangerous power surges and/or power loss with the **APC Smart-UPS 1000NET**.

\$489.31 CDW 79238

Brother HL-1650 printer

With the power of a network printer, yet half the size, **Brother HL-1650 printer** is ideal for the small business which needs ultimate power and performance.

\$599.99 CDW 264049

Imation 700MB CD-R media discs 50-pack

With a recording capacity of 700MB of data, **Imation 700MB CD-R discs** exceed performance specifications to write 1X through 16X speeds on qualified writers.

\$27.08 CDW 232404



Computing Solutions
Built for Business™

Simple
TECHNOLOGY

InFocus
CORPORATION

imation
imaginative solutions.

NEC/MITSUBISHI
NEC-MITSUBISHI ELECTRONICS DISPLAY
SEE MORE.

APC
AMERICAN POWER CONVERSION

handspring

brother
We're all over this.

iiyama

from CDW.

SONY



Docking station
sold separately

Sony VAIO R505TSK SuperSlim Pro
650MHz Intel® Pentium® III processor with SpeedStep™ technology

Highly functional, yet ultra-thin and light, the Sony VAIO R505TSK SuperSlim Pro notebook is unique, stylish and transformable. Ideal for highly mobile professionals, the R505 includes a Lithium-ion battery which lasts just over three hours, giving you the power to work for as long as you need to.

\$2046.00 CDW 241631

**Simple Technology 128MB
memory module**

Before you leave the office, make sure you have the power you need to complete your tasks. Enhance your performance with a 128MB **Simple Technology memory upgrade**.

\$79.14 CDW 197423

InFocus LP130 Projector
1024 x 768 XGA projector

With features like 1100 lumens, the **InFocus LP130 projector** does not sacrifice a single feature in order to fit into its three pound package.

\$4999.00 CDW 269182

Handspring Visor Edge
Handheld organizer

The **Handspring™ Visor Edge™** is one of the most lightweight Palm OS® organizer available with endless expansion possibilities.

\$399.00 CDW 278304



Monitor sold
separately

hp vectra vl400
866MHz Intel® Pentium® III processor

With image stability, serviceability and remote management, the **HP Vectra VL400 Series** computer comes in three different form factors—desktop, minitower and small form factor—allowing you to qualify only one PC, but deploy the form factor that best suits your needs.

\$1288.14 CDW 268632



Simple Technology 128MB memory module
For hp vectra vl400

Give your business the boost it needs to stay ahead of the competition with a 128MB **Simple Technology memory module**.

\$87.00 CDW 237083

iiyama S900M
19" monitor, with 18" viewable image size

Ideal for small to medium businesses, the **iiyama S900M** is an excellent monitor for a wide range of applications that produces crisp and vibrant images.

\$279.02 CDW 258511

hp LaserJet 4100n printer
Network ready—25 ppm

Delivering high-quality print-outs, the **HP LaserJet 4100n Series** of workgroup printers offers more speed, capacity and new "intelligent" printer-management features.

\$1548.97 CDW 272021

APC Back-UPS Office 500
500VA battery backup with 6-outlets

The **APC Back-UPS Office 500** instantly switches your computer to emergency battery backup power and allows you to work through brief power outages.

\$99.99 CDW 218742



www.cdw.com



800-726-4239



Computing Solutions
Built for Business®

All pricing subject to change. For all prices and products, CDW® reserves the right to make adjustments due to changing market conditions, product discontinuation, manufacturer price changes or typographical errors in advertisements. All products sold by CDW are third party products and are subject to the warranties and representations of the applicable manufacturers. Please refer to www.cdw.com for additional terms and conditions.

©2001 CDW® Computer Centers, Inc. 200 N. Milwaukee Avenue, Vernon Hills, IL 60061 CS7153B/C 5/01

Presenting the latest technology from CDW

SONY



Sony VAIO Slimtop PCV-LX900 Pen Tablet Computer

Delivering high-performance, in an elegant, space-saving design, the Sony VAIO Slimtop™ PCD-LX900 Pen Tablet computer allows you to draw and edit directly on the screen with the unique VAIO pen. Plus, with the included software, Adobe® Photoshop® LE, Adobe GoLive® and Adobe LiveMotion®, you can create and animate in a matter of moments.

1GHz Intel® Pentium® III processor

\$2996.00 CDW 265413

Acer



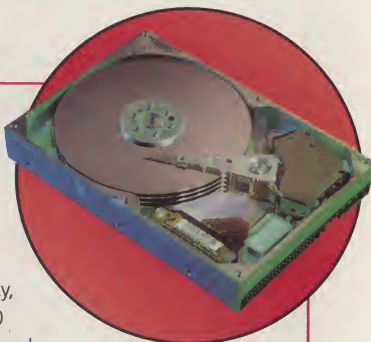
Acer TravelMate 739TLV notebook

Without sacrificing performance, the Acer TravelMate 739TLV notebook computer offers an average of 4.5 hours of battery life, so you can accomplish your work, when you need to. An enhanced biometric Fingerprint security system adds to this powerhouse, by allowing you to protect vital information and limit access to only those who are authorized for it.

850MHz Intel® Pentium® III processor
with SpeedStep™ technology

\$2849.87 CDW 252554

Maxtor®



Maxtor DiamondMax 80

For unsurpassed data integrity, the Maxtor DiamondMax® 80 Ultra ATA/100 EIDE internal hard drive employs Maxtor's Adaptive ATA Control™ which offers a capacity of 81.9GB. Plus, with Maxtor Silent Store™ technology, this hard drive is ideal for technical, multimedia or Internet environments.

\$309.99 CDW 243035

CMS
PERIPHERALS



CMS Automatic Backup System (ABS)

Ideal for notebook and desktop computers, CMS Automatic Backup System (ABS) has a 30GB external hard drive with USB interface for maximum portability. With the exclusive CMS Automatic Launcher technology, you can monitor the insertion of the ABS unit before the backup is initiated. Compatible with Windows® 98, 2000 or Me.

\$868.16 CDW 241845

CDW

Computing Solutions
Built for Business®



www.cdw.com



800-726-4239

All pricing subject to change. For all prices and products, CDW® reserves the right to make adjustments due to changing market conditions, product discontinuation, manufacturer price changes or typographical errors in advertisements. All products sold by CDW are third party products and are subject to the warranties and representations of the applicable manufacturers. Please refer to www.cdw.com for additional terms and conditions.

©2001 CDW® Computer Centers, Inc. 200 N. Milwaukee Avenue, Vernon Hills, IL 60061 CS7153D 5/01

Editor in Chief Janice J. Chen
 Editor Rik Fairlie
 Senior Editors Nancy A. Lang, Steven Schwartz
 Staff Editor Kiersten Conner-Sax
 Assistant Editor Brian Bennett
 Product Coordinator Pedro Burgos
 Editorial Business Coordinator/
 Assistant to Editor in Chief Ursula Gattis

Managing Editor Wendy A. Sheehan
 Copy Chief John A. Burek
 Senior Copy Editor Brian T. Horowitz
 Copy Editor Melissa DeMeo
 Editorial Assistant Adam Fisher

Design Director Barry Simon
 Associate Art Directors Todd Betterley,
 Scott Brandsgaard, Chris Phillips

Principal Photographer Chris Gould

Editor at Large Abigail Crane

Director of Editorial Development John Blackford

Contributors Rick Broida, Bruce Brown, Dan Costa,
 John Dvorak, David English, Lynn Ginsburg, Susan Glinert,
 Jon Halpin, Alice Hill, Don Labriola, Sheldon Leemon,
 Bill O'Brien, Alfred Poor, Neil Randall, Kevin Savetz, Rob
 Schenk, Michael Slater, Asa Somers, M. David Stone, Kathy Yakal

Production Director Jack Degnan
 Layout Administrator Randall McCall
 Production/Ad Coordinators Gail Murray Gonzalez,
 Dana Stevens, Rita Young

Electronic Prepress Specialist Deborah Neubauer
 Product Index Manager Jennifer Lawler

Marketing Director Josh London
 Marketing Manager Ana Maria Robben
 Senior Creative Manager Pete Vega
 Research Manager Max Armbruster
 Copy Writer Lenora Johnson
 Marketing Assistant Christopher Landers
 Business Manager Martha Sybert
 Customer Service Representative Aida Rodriguez
 Director, Single-Copy Sales Robert Kerekes
 Circulation Director Tracy Schultz Kirley

ZDNET REVIEWS

Executive Editor John Morris
 Executive Producer Josh Taylor
 Senior Editors Lori Grunin, Rick Popko
 Editor Matthew Elliott
 Associate Editors Aimee Baldridge, Sean Portnoy
 ZDNet Labs Manager Daniel A. Begun
 Support Technician David Gussman
 Senior Producers Elaine Choi, Megan Loncto
 Production Manager Suchitra Gururaj
 Assistant Production Manager James Bohanek
 Assistant Producers Aziz Atakuziev, Dayle Feng,
 Jennifer Gottlieb, Jill Simpson-Owens
 Director of Development Brian Buck
 Assistant Developer Nina Ricci
 Designer Joel Leimer

SUBSCRIPTION SERVICES

For subscription service questions, address changes, or to order, please contact us at:
 Web: <http://service.chopper.com> (customer service) or <http://subscribe.chopper.com> (to
 order); Phone: US and Canada (800) 274-6384 or (850) 682-7624, elsewhere (303) 604-7445;
 Mail: Computer Shopper, P.O. Box 52568, Boulder, CO 80322-2568 (please include your mail-
 ing label as it contains information that will expedite processing); Fax: US and Canada
 (850) 683-4094, elsewhere (303) 604-0518; E-Mail (please type your full name and the
 address at which you subscribe; do not send attachments): shopper@zdonet.com.
 Subscriptions: The one-year (12-issue) subscription rate is \$24.97. Outside the US add \$46
 per year for surface mail. US funds only. Please allow 3-6 weeks before receiving your first
 issue as well as for any changes to take place on an existing subscription. Back Issues: \$8
 each in the US, \$12 each elsewhere (subject to availability). Prepayment is required. Make
 checks payable to Computer Shopper. Mail your requests to: Back Issues, Computer Shopper,
 P.O. Box 53131, Boulder, CO 80322-3131. Mailing lists: We sometimes make lists of our
 customers available to mailers of goods and services that may interest you. If you do not
 wish to receive their mailings, please write to us at: Computer Shopper, P.O. Box 52568,
 Boulder, CO 80322-2568.



from the editor

JANICE CHEN



What Do You Want to Read Today?

If there's one thing I know about our readers, it's that they're opinionated. Just take a look at our Feedback Forum page (or my in-box after an issue hits the stands, for that matter). Our readers also rank among the tech industry's savviest shoppers, doing plenty of research in our pages and elsewhere before making a purchase decision. So who better to ask for input as we look for new ways to improve the magazine?

At *Computer Shopper*, we always strive to bring you timely and relevant information that best suits your needs. Beginning with this issue, we're going straight to the source to find out what you want to read about. By taking a few minutes to fill out our online survey at www.computershopper.com/survey, you can help us to understand which articles you liked in the current issue and why. You can even suggest topics that you'd like to read about in the future. The survey should take no more than 5 minutes to complete, and we encourage you to come back each month to give your opinions on upcoming issues as well.

This month we've gone gaga for gear. From Internet appliances to MP3 players to the first 1GHz notebook we've tested, this issue is jam-packed with the coolest technology tools of the spring. Start with our Hot Gear section on p. 33 to get a peek at the products that will be inspiring gadget envy for the rest of the year. You'll find the slim Palm m505—which finally brings color to the long-admired Palm V form factor—along with goodies like Kodak's combo digicam/video-cam/MP3 player. For the Net neophyte in your life, there's the Cidco Mivo 300, a tiny appliance that lets you read e-mail and explore the Web sans PC. And for more on Internet appliances, be sure to read "Nothing but Net," on p. 96. We put five devices to the

test—including the ballyhooed 3Com Ergo Audrey—and report back on whether they really offer a hassle-free route to the Web.

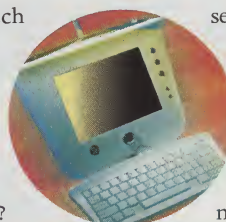
Despite the much-publicized Napster controversy earlier in the year, one of this season's must-have items is surely the MP3 or (more accurately) digital-audio player. Arguably one of the slickest inventions in the last 20 years, these players give you CD-quality sound, no-skip playback, and features such as bookmarking, built-in voice recording, and preset and customizable equalization. We reviewed five of the latest generation of players (p. 104), including Intel's formidable foray into the digital-audio market, the Pocket Concert Audio Player, which offers a whopping 128MB of built-in memory.

With so many great gizmos available for turbo geeks everywhere, you might think we've forgotten about the good old PC. Not to worry: On p. 128, our feature story "Building the Best Machine" shows you how to shop smart when picking out your next computer. By taking advantage of the best features on PC vendor Web sites—and following our tips and advice—you can ensure that you're getting the configuration you need at the best price.

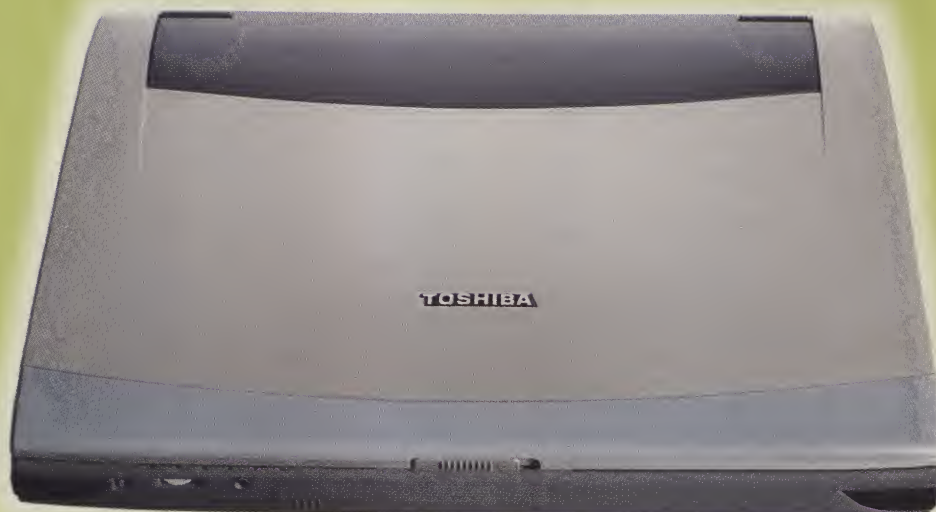
And finally, whether you're shopping for a Net device, MP3 player, or a new PC, buying online is convenient and fun.

Typing in your address, phone number, e-mail address, credit-card numbers, and other information is decidedly tedious, though. That's where digital wallets come in handy. Read "Web Wallets Make Shopping Simple" (p. 134) for the low-down on these timesaving devices. Frequent online shoppers shouldn't leave their home page without them.

Janice Chen
 Editor in Chief
janice_chen@zdonet.com



plug right into thin air



TECRA 8200

- Pentium® III processors up to 850MHz, featuring Intel® SpeedStep™ technology
- Integrated wireless antenna for full 360° connections
- 128MB SDRAM, expandable to 512MB
- Built-in modem, Ethernet and wireless LAN
- 20.0GB⁴ hard disk drive
- 8X max. DVD-ROM



Toshiba recommends Microsoft® Windows® 2000 Professional for business.

¹850MHz model only. ²Offer expires 9/30/01. Offer is valid in major metropolitan U.S. locations, and only available directly from Toshiba. The \$795 price includes the physical installation and notice. For full terms and conditions, visit www.wirefree.toshiba.com. ³Money-back guarantee only available for orders placed by 9/30/01. Applies only to price paid for portables and choose freedom is a trademark of Toshiba America Information Systems, Inc. and/or Toshiba Corporation. Intel, the Intel Inside logo and Pentium are registered trademarks and

Introducing integrated Wi-Fi technology that lets you connect without wires.

Experience the freedom of wireless computing with the Tecra® 8200 or Satellite Pro® 4600¹ line of portable computers from Toshiba. These portables come equipped with integrated Wi-Fi™ technology—the most advanced integrated wireless solution available. Both come with built-in wireless antennae that allow for clean 360° connections and fewer fadeouts. Unlike other wireless solutions, Toshiba offers built-in modem, Ethernet and wireless LAN. Test-drive the Tecra 8200

or Satellite Pro 4600¹ wireless solution with Toshiba's no-risk wireless installation offer for just \$795.² Offer includes 10% off for up to eight portable computers and the installation of an access point for a 30-day trial. If you are not completely satisfied after 30 days, return the access point and portables to Toshiba and receive a full refund on all hardware.³ If you liked the experience, you will be eligible to receive discounts on additional access points. *choose freedom™*

Call 1-800-TOSHIBA or visit www.wirefree.toshiba.com.



S A T E L L I T E P R O 4 6 0 0

- Pentium III processor 850MHz, featuring Intel SpeedStep technology
- Integrated wireless antenna for full 360° connections
- Dazzling graphics capabilities
- Built-in modem, Ethernet and wireless LAN
- 128MB SDRAM, expandable to 512MB
- DVD-ROM/CD-RW multifunction drive

TOSHIBA

configuration of one access point and up to eight Wi-Fi-equipped Toshiba portables (sold separately). Warranty: 30 days. Toshiba reserves the right to cancel or change this promotion at any time without access points. Wireless Installation Services are non-refundable. *GB means one billion bytes. ©2001 Toshiba America Information Systems, Inc. Satellite Pro and Tecra are registered trademarks and Intel SpeedStep is a trademark of Intel Corporation. All other products and names mentioned are the property of their respective owners. All specifications and availability are subject to change.

FEEDBACK FORUM

THE OTHER HANDHELD

I've been using the Psion Series 3 for two or three years now, and I can't understand why people bother with Palm units. (See the feature "Your Life in Your Hands," March, p. 120.) The Psion can transfer and convert data to PC applications such as Word, Excel, and Lotus, and it runs for 40 hours on alkaline or rechargeable batteries. The range of software is incredible, including applications as diverse as a solar compass. You can also connect it to cell phones for e-mail and faxing. There's virtually no mention of these computers in your magazine. You should broaden your horizons and consider a tool that's truly useful.

STEVE GUTRY

Tell Us What You Think

COMPUTER SHOPPER

Complete our editorial survey at www.computershopper.com/survey



NO BIG DEAL!

After reading February's "Hard Edge" (p. 202), I thought I might be able to get a few good deals at DoveBid. Boy, was I wrong. I don't know if the prices were raised due to your column or if prices here in Ohio are so much cheaper than elsewhere, but I didn't even get a chance to bid

on anything. I saw used monitors—with no guarantee and a 13 percent surcharge in addition to the packing and shipping charges—selling for more than new ones. The people bidding on these items must not have checked eBay or some of the other Internet companies for prices. I'm glad you got a deal, but I'm not sure anyone else will.

Also, I'd like to see "The Hard Edge"

enlarged; it seems to have shrunk. I think it's the best part of *Computer Shopper*.

DAVID C. FRYAUFF

The editors of *Computer Shopper* want to hear from you. Write to:

Feedback Forum, *Computer Shopper*
28 E. 28th St., 10th Fl.
New York, NY 10016-7922

or e-mail us at cs_feedback@zdnnet.com.
Letters may be edited for length and clarity,
and may be published in any medium.

NOTICE

We've received numerous complaints from readers regarding a halt in service and support by Axis Systems. At press time, the company's Web site stated the company is being taken over by its lending bank and that it expects to file for bankruptcy.

If you've purchased a product from Axis and aren't receiving service or support, you can contact the Better Business Bureau in Colton, Calif., at 909-835-6064, or file a complaint online at www.bbb.org/bbbcomplaints/welcome.asp.

If you've charged an Axis purchase to your credit card and haven't received the product, the BBB advises writing a letter to your credit-card company stating you are disputing the charge. You can find additional tips at www.bbbonline.org.

CORRECTIONS

Due to a technical oversight, the Micronpc.com product pictured on the cover of our March issue and in the feature "Towers of Power" (p. 108) wasn't the Millennium Max XP reviewed, but the Micronpc.com ClientPro.

Also, April's review of the Logitech SoundMan Xtrusio DSR-100 speaker system ("Boomin' Sound All Around," p. 70) incorrectly stated the system lacked tone controls. The system does provide tone and subwoofer-level controls on the bottom of the subwoofer. As a result, our Editors' Rating has been upgraded from a 4.8 to a 6.3. For a corrected version of the review, please go to www.zdnnet.com/products/cs/xtrusio.

COMPUTER SHOPPER

Publisher David Cleary

SALES MANAGEMENT

National Advertising Director Colleen Daly
National Sales Manager Cara Roteman
Director, National Accounts Cary Short
Area Manager Brett Rubio
District Sales Manager, California 1 Gia Vacek
District Sales Manager, Central Scott Bruce
Regional Sales Manager, Northeast Steven Goodman
Senior Market Analyst/Account Manager Russ Gilchrist

ADVERTISING SALES CONTACTS

CALIFORNIA 1
CA ZIP Codes 90000-91999, 93000-93599
District Sales Manager Gia Vacek (949) 852-2344
Account Executive Jane Day (212) 503-3841

CALIFORNIA 2
AR, CA ZIP Codes 92000-92999, CO, HI, IA, KS, ND, NE, NM, OK, PR, SD, TX
Area Manager Cary Short (949) 852-5928
Account Executive Jane Day (212) 503-3841

CENTRAL
AL, DC, DE, FL, GA, IL, IN, KY, LA, MD, MI, MN, MO, MS, NC, OH, PA, SC, TN, VA, WI, WV
District Sales Manager Scott Bruce (212) 503-3891
Account Executive Alan Rosenfeld (212) 503-3764

NORTHEAST
Canada, CT, MA, ME, NH, NJ, NY, RI, VT
Regional Sales Manager Steven Goodman (212) 503-3831
Senior Account Executive Anthony Danzi (212) 503-3898

NORTHWEST
CA ZIP Codes 94000-94355, 94356+, ID, MT, NV, OR, UT, WA, WY
Account Executive Julio Loreda (415) 701-2839

CNET NETWORKS

Chief Executive Officer Shelby Bonnie
President, CNET Networks Dan Rosensweig
Chief Operating Officer Richard Marino

President, CNET Networks Media Barry Briggs
President, Channel Services Albert de Heer
President, International Media Arthur Fatum
President, Consumer Services Josh Goldman
Senior VP, ZDNet Advertising Sales Thomas Jones

NOTICE TO ADVERTISERS

All advertising is subject to Publisher's approval and acceptance without recourse. The advertising herein that is typeset and/or designed by *Computer Shopper* is the property of *Computer Shopper* and not that of the advertiser. The advertiser has purchased the right of reproduction in *Computer Shopper* only and does not have the right to reproduce the ad in any other place of publication. We are not responsible for mistakes, misprints, or typographical errors and will not issue credits of any kind for such errors. Advertisers and their agencies assume responsibility for the condition of the contents of advertising printed, and agree to indemnify the Publisher of *Computer Shopper* for any and all claims and expenses arising therefrom. *Computer Shopper* standards suggest to the advertiser that statements concerning shipping and handling charges, warranties, and money-or-no-money-back guarantees should be stated in all forms of advertising within *Computer Shopper*. The opinions expressed in the articles, columns, and ads are those of the writer and not necessarily those of *Computer Shopper*.

Computer Shopper, 28 E. 28th St., New York, NY 10016-7922
MCI MAIL-CSM, Sales Info: 212-503-3800
Editorial: 212-503-3900, Fax: 212-503-3995
Customer Service: 877-214-7390



< COMING NEXT MONTH >

Not Just a Pretty Faceplate

Fashion-conscious PC buyers no longer have to settle for a drab beige box. Many computer vendors now offer sleek-looking systems that are just as attractive as they are efficient.

Panel Prices Fall to Earth

A new breed of low-cost, 15-inch LCD screens is hitting the market with prices starting well below \$750. Finally, these choice displays may be an affordable choice.

The High-Tech Home

You may not have a robot doing your laundry or serving you tea, but at least some of the prophecies of science-fiction novelists are coming true. We look at new technologies that make your home a smarter place.

Point, Click, Save!

At sagernotebook.com
the savings are just
a configuration away.

Point your way to savings at
Sager's website. Simply point to
your favorite system or configure
your dream portable on-line, in no
time. Log-on to the latest technology
and pricing at: sagernotebook.com



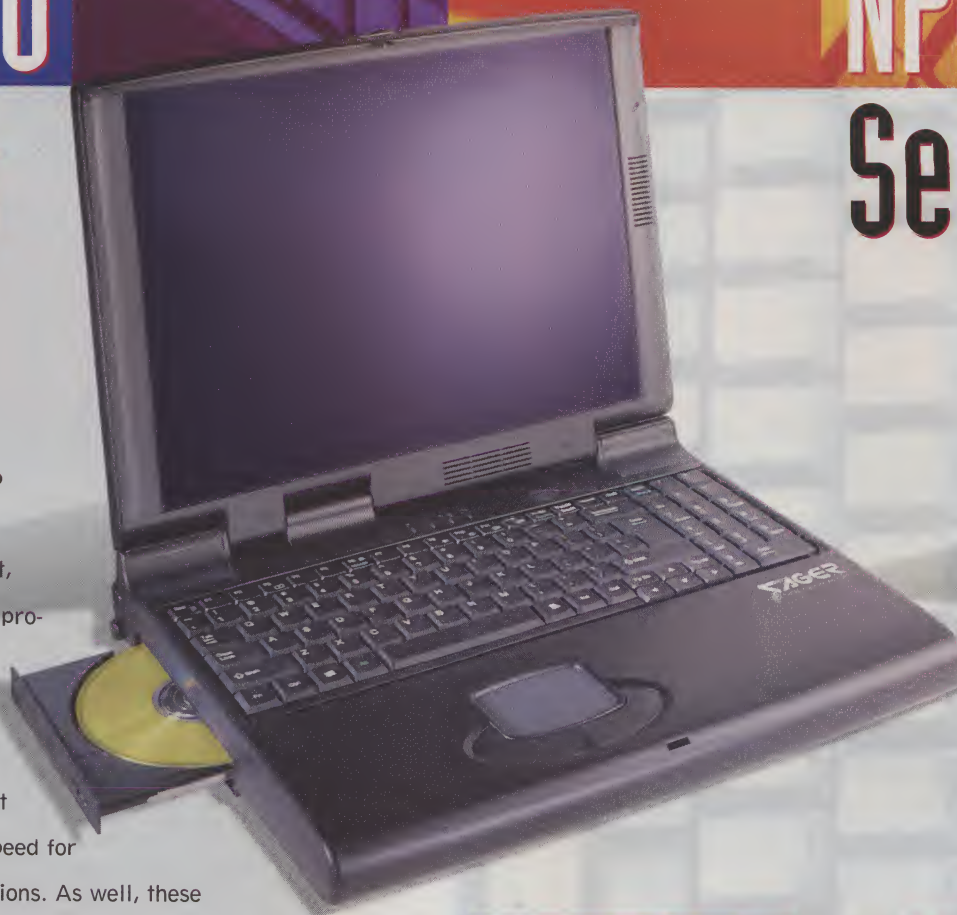
[800] 669-1624



NP8560 Series

Sager's NP8560 Desktop Replacement comes loaded with the latest, cutting-edge technology in processing for a notebook. This new capability increases bandwidth from 100MHz to 133MHz and that translates into ultra-fast speed for memory intensive applications. As well, these notebooks come complete with upgraded features normally found only in a desktop computer including a huge 15.0" SXGA+ Active Matrix Display. Upgrade to the NP8560 Series for tomorrow's portable speed, built for you today.

Sager presents the ultimate notebook for viewing and graphics, under 7.1 pounds and only 1.5" thin! The NP2850 Series offers speed and agility for handling demanding graphics applications normally found only in a desktop. With a 15.0" XGA Active Matrix Display, you can't ask for better viewing size or capability in a portable computer. As for graphics, the NP2850 Series comes complete with a 2X AGP Chipset and a 3D Graphics Accelerator for blazing speed.



NP2850 Series

np 8560 v

- 15.0" SXGA+ Active Matrix Display
- Intel® Pentium® III Processor 1.0GHz
- 16MB Video Memory
- 256MB 133MHz SDRAM
- 30.0GB Ultra DMA Hard Drive
- Modular 8X Max. DVD-ROM² and 4X4X20 Max. CD-RW Drive³(both included)
- Integrated 56K V90 Modem⁴ + 10/100 Ethernet
- 15-Cell 75.6w Smart Lithium-Ion Battery
- 102-Key Keyboard with Numeric Keypad
- IEEE-1394 Port
- 256KB On-Die L2 Cache
- Modular 3.5" FDD exchangeable with opt. Iomega® Zip Drive or 2nd HDD
- 3D Surround Sound with Hardware Wavetable
- Built-In Touchpad Pointing Device
- 2 Type II or 1 Type III PCMCIA Slots
- Infra Red, Wireless Fast IR Interface
- 1 TV-Out Port & 1 Video-In Port
- Other Ports: 2 USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- Microsoft® Windows® ME
- Deluxe Carrying Case
- Weight: 9.5 lbs with Battery
- 14.0"w x 11.0"d x 2.2"h
- Sager's Umbrella Protection Policy

np 8560 s

- 15.0" SXGA+ Active Matrix Display
- Intel® Pentium® III Processor 1.0GHz
- 16MB Video Memory
- 256MB 133MHz SDRAM
- 20.0GB Ultra DMA Hard Drive
- 8X Max. DVD-ROM Drive²
- Integrated 56K V90 Modem⁴ + 10/100 Ethernet
- 15-Cell 75.6w Smart Lithium-Ion Battery
- 102-Key Keyboard with Numeric Keypad
- IEEE-1394 Port
- 256KB On-Die L2 Cache
- Modular 3.5" FDD exchangeable with opt. Iomega® Zip Drive or 2nd HDD
- 3D Surround Sound with Hardware Wavetable
- Built-In Touchpad Pointing Device
- 2 Type II or 1 Type III PCMCIA Slots
- Infra Red, Wireless Fast IR Interface
- 1 TV-Out Port & 1 Video-In Port
- Other Ports: 2 USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- Microsoft® Windows® ME
- Deluxe Carrying Case
- Weight: 9.5 lbs with Battery
- 14.0"w x 11.0"d x 2.2"h
- Sager's Umbrella Protection Policy

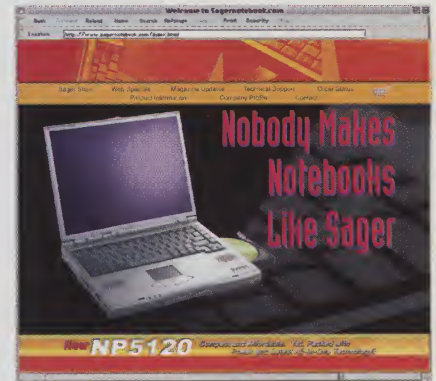
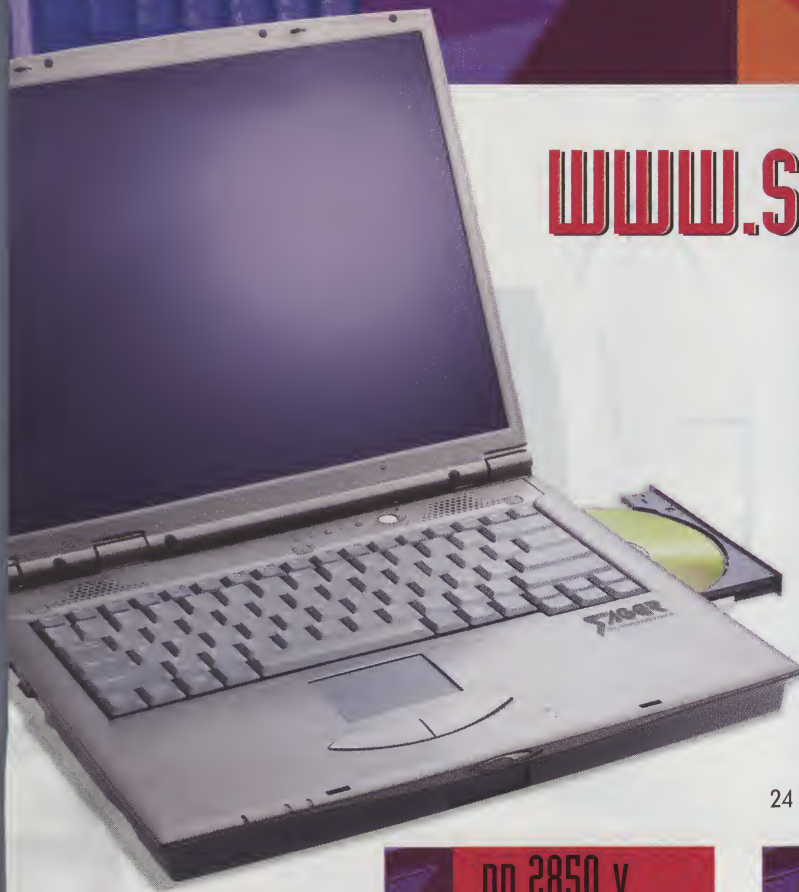
\$2495

\$2195

[800] 669-1624

SAGER
THE PORTABLE POWER PEOPLE

www.sagernotebook.com



Window shopping was never this easy!

For up to the minute pricing and to order online,
24 hours a day, go to our website: www.sagernotebook.com

np 8560 c

- 15.0" SXGA+ Active Matrix Display
- Intel® Pentium® III Processor 850MHz
- 16MB Video Memory
- 128MB 133MHz SDRAM
- 10.0GB Ultra DMA Hard Drive
- 24X Max. CD-ROM Drive¹
- Integrated 56K V90 Modem¹ + 10/100 Ethernet
- 15-Cell 75.6w Smart Lithium-Ion Battery
- 102-Key Keyboard with Numeric Keypad
- IEEE-1394 Port
- 256KB On-Die L2 Cache
- Modular 3.5" FDD exchangeable with opt. Iomega® Zip Drive or 2nd HDD
- 3D Surround Sound with Hardware Wavetable
- Built-In Touchpad Pointing Device
- 2 Type II or 1 Type III PCMCIA Slots
- Infra Red, Wireless Fast IR Interface
- 1 TV-Out Port & 1 Video-In Port
- Other Ports: 2 USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- Microsoft® Windows® ME
- Deluxe Carrying Case
- Weight: 9.5 lbs with Battery
- 14.0"w x 11.0"d x 2.2"h
- Sager's Umbrella Protection Policy

\$1895

np 2850 v

- 15.0" XGA Active Matrix Display
- Mobile Pentium® III Processor 800MHz
- Featuring Intel® SpeedStep™ Technology
- 256MB SDRAM
- 20.0GB Ultra DMA Hard Drive
- 8X Max. DVD-ROM Drive²
- Integrated 10/100 Ethernet
- Thin (1.49") and Lightweight (7.1 lbs)
- 256KB On-Die L2 Cache
- 2X AGP 8MB ATI Rage Pro 3D Video
- 3.5" 1.44MB Floppy Disk Drive
- 3D Surround Sound
- Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- 1 Type II PCMCIA Slot
- Infra Red, Wireless Fast IR Interface
- 2 USB Ports
- Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- A4 Size Windows® 95 Keyboard
- Microsoft® Windows® ME
- Deluxe Carrying Case
- 12.8"w x 10.51"d x 1.49"h
- Sager's Umbrella Protection Policy

\$2145

np 2850 s

- 15.0" XGA Active Matrix Display
- Mobile Pentium® III Processor 700MHz
- Featuring Intel® SpeedStep™ Technology
- 128MB 100MHz SDRAM
- 20.0GB Ultra DMA Hard Drive
- 8X Max. DVD-ROM Drive²
- Integrated 10/100 Ethernet
- Thin (1.49") and Lightweight (7.1 lbs)
- 256KB On-Die L2 Cache
- 2X AGP 8MB ATI Rage Pro 3D Video
- 3.5" 1.44MB Floppy Disk Drive
- 3D Surround Sound
- Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- 1 Type II PCMCIA Slot
- Infra Red, Wireless Fast IR Interface
- 2 USB Ports
- Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- A4 Size Windows® 95 Keyboard
- Microsoft® Windows® ME
- Deluxe Carrying Case
- 12.8"w x 10.51"d x 1.49"h
- Sager's Umbrella Protection Policy

\$1995

np 2850 c

- 15.0" XGA Active Matrix Display
- Mobile Pentium® III Processor 700MHz
- Featuring Intel® SpeedStep™ Technology
- 128MB 100MHz SDRAM
- 10.0GB Ultra DMA Hard Drive
- 24X Max. CD-ROM Drive¹
- Integrated 10/100 Ethernet
- Thin (1.49") and Lightweight (7.1 lbs)
- 128KB On-Die L2 Cache
- 2X AGP 8MB ATI Rage Pro 3D Video
- 3.5" 1.44MB Floppy Disk Drive
- 3D Surround Sound
- Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- 1 Type II PCMCIA Slot
- Infra Red, Wireless Fast IR Interface
- 2 USB Ports
- Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- A4 Size Windows® 95 Keyboard
- Microsoft® Windows® ME
- Deluxe Carrying Case
- 12.8"w x 10.51"d x 1.49"h
- Sager's Umbrella Protection Policy

\$1795

Options

- Car Adapter
- CD-RW Drive
- Iomega® Zip Drive (NP8560)

- Port Replicator
- Numeric Keypad
- USB Video-Camera
- Secondary Hard Disk Drive (NP8560)



NP2250 Series

NP5120 Series

The new NP2250 Series from Sager is power-packed and ready to perform. This leading-edge notebook features an all-in-one design including advanced features not found in many other portables. All this and more is loaded into a beautiful, silver case measuring just 1.48" high. The NP2250 Series takes productivity and technology to the next level. With such a complete package, this is one solution you have to consider for any portable computing need.



np 2250 v

- 14.1" XGA Active Matrix Display
- Mobile Pentium® III Processor 800MHz
- Integrated 4X AGP Graphics with 32MB Max. User Definable Share Memory Architecture
- 128MB 100MHz SDRAM
- 20.0GB Ultra DMA Hard Drive
- 8X Max. DVD-ROM Drive¹
- Integrated 56K V90 Modem¹ + 10/100 Ethernet
- 3 Hot-Keys for E-Mail, Browser and API
- 256KB On-Die L2 Cache
- 3.5" 1.44MB Floppy Disk Drive
- 3D Surround Sound
- Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- 1 Type II PCMCIA Slot
- Infra Red, Wireless Fast IR Interface
- 2 USB Ports
- Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- A4 Size Windows® 95 Keyboard
- Microsoft® Windows® ME
- Deluxe Carrying Case
- Weight: 7.0 lbs with Battery
- 12.1" w x 10.0" d x 1.48" h
- Sager's Umbrella Protection Policy

\$1795

np 2250 s

- 14.1" XGA Active Matrix Display
- Mobile Pentium® III Processor 700MHz
- Integrated 4X AGP Graphics with 32MB Max. User Definable Share Memory Architecture
- 128MB 100MHz SDRAM
- 10.0GB Ultra DMA Hard Drive
- 24X Max. CD-ROM Drive¹
- Integrated 56K V90 Modem¹ + 10/100 Ethernet
- 3 Hot-Keys for E-Mail, Browser and API
- 256KB On-Die L2 Cache
- 3.5" 1.44MB Floppy Disk Drive
- 3D Surround Sound
- Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- 1 Type II PCMCIA Slot
- Infra Red, Wireless Fast IR Interface
- 2 USB Ports
- Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- A4 Size Windows® 95 Keyboard
- Microsoft® Windows® ME
- Deluxe Carrying Case
- Weight: 7.0 lbs with Battery
- 12.1" w x 10.0" d x 1.48" h
- Sager's Umbrella Protection Policy

\$1545

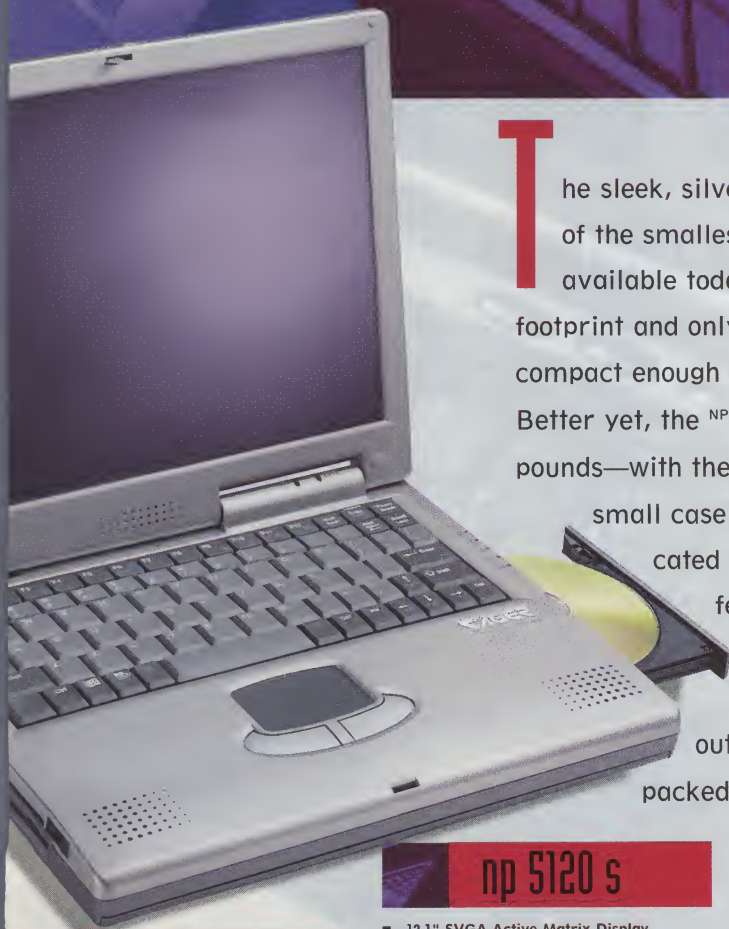
np 2250 c

- 13.3" XGA Active Matrix Display
- Mobile Intel® Celeron™ Processor 500MHz
- Integrated 4X AGP Graphics with 32MB Max. User Definable Share Memory Architecture
- 64MB 100MHz SDRAM
- 10.0GB Ultra DMA Hard Drive
- 24X Max. CD-ROM Drive¹
- Integrated 56K V90 Modem¹ + 10/100 Ethernet
- 3 Hot-Keys for E-Mail, Browser and API
- 128KB On-Die L2 Cache
- 3.5" 1.44MB Floppy Disk Drive
- 3D Surround Sound
- Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- 1 Type II PCMCIA Slot
- Infra Red, Wireless Fast IR Interface
- 2 USB Ports
- Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- A4 Size Windows® 95 Keyboard
- Microsoft® Windows® ME
- Deluxe Carrying Case
- Weight: 7.0 lbs with Battery
- 12.1" w x 10.0" d x 1.48" h
- Sager's Umbrella Protection Policy

\$1295

SAGER
THE PORTABLE POWER PEOPLE

[800] 669-1624



The sleek, silver-toned NP5120 Series is one of the smallest, yet powerful, notebooks available today. With an 11.0" x 9.4" footprint and only 1.6" high, this notebook is compact enough for demanding situations. Better yet, the NP5120 weighs in at only 6.6 pounds—with the battery! Packed into this small case is one of the most sophisticated systems available today featuring the latest technology for speed, graphics and performance. Check out the NP5120 Series power-packed configurations.



Options

- Car Adapter
- CD-RW Drive
- Port Replicator
- Numeric Keypad
- USB Video-Camera

Sager's Umbrella Protection Policy

- 30-Day Money-Back Guarantee. If the equipment does not work as promised, or if you are not fully satisfied, we will issue a full refund upon the return of all original equipment.
- 48-Hour Repair Promise. For the first 30 days, we'll repair or replace your computer within 48 hours, and we'll pay the 2nd day air return shipping charge.
- 72-Hour Repair Promise. For the rest of the 1-year warranty period, if it takes more than 72-hours to repair your computer, we'll pay 2nd day air return shipping charge.
- 1-Year Parts and Labor Limited Warranty.
- Lifetime Toll-Free Technical Support.

Umbrella Policy Applies to End Users in the United States of America and in Canada only and 48-Hour/72-Hour repair policies apply to hardware only. Software problems may take longer.

Extended Warranty Available

Check out this comprehensive package of service/support.

Special Pricing

Government, corporate and other special rates are available. Please call for details. GSA Contract # GS-35F-4168G

Business Leasing Available

Get your dream notebook with low monthly payments!

Sager Corporate Offices
18005 Cortney Court
City of Industry, California 91748
Tel: 626.964.8682, Fax: 626.964.2381
Hours: Monday-Friday 7:30a.m. - 6p.m.
Saturday 9a.m. - 3p.m. (PST)
American Express, VISA, MasterCard & Discover
Credit Cards Accepted - No Surcharge.
Cashiers Checks Welcomed.

©2001 by Midern Computer, Inc. All rights reserved. Intel, the Intel Inside logo and Pentium are registered trademarks. SpeedStep and Celeron are trademarks of Intel Corporation. All other company and/or product names mentioned herein are trademarks and/or registered trademarks of their respective companies. The DVD upgrade kit for Sager Notebooks is licensed through the CLEVO Company. All color LCD Display screens are simulated for artistic purposes. Prices and specifications are subject to change without notice. Opened software and shipping charges are non-refundable. 30-Day money back guarantee does not include freight or shipping and handling charge.

Notes: 1, 2, 3: CD-ROM, DVD-ROM, and CD-RW drives list a variable read rate. CD-RW write and re-write speeds vary and list only the maximum possible speed. Actual CD-ROM, DVD-ROM, CD-RW speeds will vary and are often less than the maximum possible speed. 4: Maximum Transmission speed of up to 53Kps when downloading and 33.6Kps when uploading data. Actual speeds may vary depending on line conditions and current FCC restrictions.

np 5120 v

- 12.1" SVGA Active Matrix Display
- Mobile Pentium® III Processor 700MHz
- 128MB SDRAM
- 20.0GB Ultra DMA Hard Drive
- 8X Max. DVD-ROM Drive²
- Integrated 56K V90 Modem¹ + 10/100 Ethernet
- The Smallest All-In-One Design
- 256KB On-Die L2 Cache
- Integrated 4X AGP Graphics with 32MB Max. User Definable Share Memory Architecture
- 3.5" 1.44MB Floppy Disk Drive
- 3D Surround Sound
- Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- 1 Type II PCMCIA Slot
- Infra Red, Wireless Fast IR Interface
- 1 Kensington Lock Port
- Other Ports: USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- Windows® 95 Keyboard
- Microsoft® Windows® ME
- Deluxe Carrying Case
- Weight: 6.6 lbs with Battery
- 11.0" w x 9.4" d x 1.6" h
- Sager's Umbrella Protection Policy

\$1545

np 5120 s

- 12.1" SVGA Active Matrix Display
- Mobile Pentium® III Processor 700MHz
- 128MB SDRAM
- 10.0GB Ultra DMA Hard Drive
- 24X Max. CD-ROM Drive²
- Integrated 56K V90 Modem¹ + 10/100 Ethernet
- The Smallest All-In-One Design
- 256KB On-Die L2 Cache
- Integrated 4X AGP Graphics with 32MB Max. User Definable Share Memory Architecture
- 3.5" 1.44MB Floppy Disk Drive
- 3D Surround Sound
- Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- 1 Type II PCMCIA Slot
- Infra Red, Wireless Fast IR Interface
- 1 Kensington Lock Port
- Other Ports: USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- Windows® 95 Keyboard
- Microsoft® Windows® ME
- Deluxe Carrying Case
- Weight: 6.6 lbs with Battery
- 11.0" w x 9.4" d x 1.6" h
- Sager's Umbrella Protection Policy

\$1395

np 5120 c

- 12.1" SVGA Active Matrix Display
- Intel® Celeron™ Processor 500MHz
- 64MB SDRAM
- 10.0GB Ultra DMA Hard Drive
- 24X Max. CD-ROM Drive²
- Integrated 56K V90 Modem¹ + 10/100 Ethernet
- The Smallest All-In-One Design
- 128KB On-Die L2 Cache
- Integrated 4X AGP Graphics with 32MB Max. User Definable Share Memory Architecture
- 3.5" 1.44MB Floppy Disk Drive
- 3D Surround Sound
- Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- 1 Type II PCMCIA Slot
- Infra Red, Wireless Fast IR Interface
- 1 Kensington Lock Port
- Other Ports: USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- Windows® 95 Keyboard
- Microsoft® Windows® ME
- Deluxe Carrying Case
- Weight: 6.6 lbs with Battery
- 11.0" w x 9.4" d x 1.6" h
- Sager's Umbrella Protection Policy

\$1195

www.sagernotebook.com

net now

Old Newspapers Newly Digital

Looking for the April 21, 1861, edition of *The New York Times*? Using a new digital database from Bell & Howell, you'll soon be able to see a copy at your local library—along with back issues of hundreds of other newspapers dating back to the 19th century.

Bell & Howell's ProQuest Historical Newspapers project aims to convert old newspapers to digital form, starting with *The New York Times* and *The Wall Street Journal*, but eventually expanding to other regional, national, and international papers. Users will be able to search content by keyword, date, author, and article type. Alternately, they will be able to browse back issues, including articles, photos, graphics, and advertisements, all in the same format as the original publication. The database will be sold on a subscription basis to libraries, but will be free to library patrons.

The database isn't intended as a replacement for original



newspapers and microfilm, however. "They are likely to be used in very different ways, just as a printed book and an audio recording of a book are used differently but have the same content," says ProQuest spokeswoman Tina Creguer.

It's a useful project, but it's not without its detractors. Nicholson Baker, fiction author, founder of the American Newspaper Repository, and outspoken opponent of replacing printed publications with virtual facsimiles, says that because

the ProQuest archive will digitize existing microfilm archives, the results won't be a faithful reproduction of a historical newspaper.

"ProQuest is an attempt to do the best you can with what remains, but in many cases the only thing that remains of the

original papers is middling-quality microfilm," Baker says. He adds that aside from quality, microfilm has two fatal flaws: Most of it is in black and white (many old papers were in color), and it doesn't translate gray-scale images well. "People don't realize how opulent papers were before radio," Baker says. "They were visually arresting, colorful, and strange." —Elaine X. Grant

The Java Network

Walk into a Starbucks and, beginning this spring, you'll be able to get some T1 with your tea, some broadband with your Sumatra. Starbucks plans to provide its coffeehouse customers with wireless Internet access that will be accessible from laptops and PDAs.

Customers will be able to surf the Web, send e-mail, and access corporate intranets using any IEEE 802.11b- or OpenAir-compatible device over the MobileStar (www.mobilestar.com) wireless network.

Access can be purchased on a one-time basis (\$2.50 for 15 minutes, plus 10 cents for each additional minute), or on a subscription basis (from \$15.95 a month for 200 minutes to \$59.95 a month for unlimited access). Subscribers receive

wireless access not just at Starbucks but also at any of the 140 MobileStar installations, which include American Airlines terminals and Admirals Clubs, and many Hilton hotels.

Additionally, Starbucks will offer a free portal dubbed the Walled Garden that will serve up information on the local

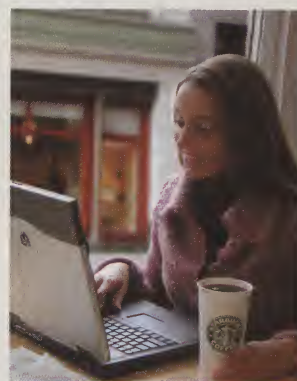
community, movies, and restaurants. Content for the regional portals will be created by the Microsoft Network.

While cybercafés are already a staple worldwide, unlike others Starbucks will be a bring-your-own-laptop affair. The stores

will not provide computer terminals, though each location will be connected to the Net via a T1 line.

The company expects to roll out the wireless networking slowly, beginning with a few locations this spring, and eventually offering the service at 70 percent of its 2,500 North American stores.

—Kevin Savetz



Getting wired while networking wirelessly

WHITHER WIRELESS?

What motivates technophiles to buy a wireless handheld? According to a survey conducted by Greenfield Online, consumers buying wireless devices plan to use them for:

- 62% Sending and receiving e-mail
- 45% Surfing the Internet
- 23% Playing online games
- 12% Trading stocks or checking stock quotes
- 9% Planning a vacation
- 8% Looking for a new job



NET
NOW

Looking for Love in Virtual Places

romance for
Match.com

If you're one of the estimated 50 million Americans looking for romance, you might want to leave the singles bar and cozy up to your computer. Online dating services keep popping up, causing heartache to their brick-and-mortar counterparts.

So says John LaRosa, research director of Marketdata Enterprises (www.mkt-data-ent.com), a research firm that has published a study of the \$600 million dating-service industry. According to LaRosa, the inter-

section of questionable management practices and the high prices of traditional services, combined with the wide reach of emerging Internet options, created a recipe for change in fee-based matchmaking.

Cupid's Network (www.cupidnet.com), an online directory of matchmaking sites, lists approximately 1,400 online dating sites. It's easy to see why they're popular. The benefits include convenience, low cost, and reach, says Trish McDermott, vice president of

(www.match.com). "You can reach so many more people through an online service," she adds. Indeed, Match.com will reach almost 9 million potential lovebirds after an upcoming coupling with One & Only Network (www.oneandonly.com).

Fees for online dating services range from free to as much as \$200 per year. That's still less than traditional dating services, which can cost \$1,000 to \$3,000 annually.

But online dating services



may not be for everyone.

"Some people just aren't comfortable conducting their day-to-day life online,"

McDermott says. —Gwen Moran

Lego My Movie

Have a budding moviemaker at home? Forget about film school. The Lego Group recently released the \$179.99 Lego & Steven Spielberg MovieMaker Set, which combines a PC-compatible USB camera, editing software, and Lego bricks in one package.

"There are a lot of groups, including both kids and adults, that make Lego movies and put them online," says Shannon

available on the Web. Lego even sponsored a plastic-brick version of Sundance Film Festival, and winning short films from nine semi-finalists will be screened at the Lego Studios MovieMaking Awards Ceremony in New York in June.

Thankfully for the contes-



Steven Spielberg, movie director and Lego figure

tants, Steven Spielberg hasn't yet made any Lego-based films himself. He did, however, write the foreword in the MovieMaker set's Tips and Tricks booklet.

Budding directors can buy the

MovieMaker set online at www.lego.com/studios/products/default.asp, and check

out one of the nine accessory sets, including Stunt Man Catapult and Dino Head Attack.

Cinephiles should visit the BrickFilms Movie Directory (brickfilms.topcities.com/directory.html) to view such future classics as *Jar Jar Binks* and *the French Revolution* and *Salt Lake Spaceport*, the latter described as "a well-done homage to Kubrick's *Eyes Wide Shut*." —Kiersten Conner-Sax



Sex, lies and a Lego set

Hartnett, a Lego spokeswoman. The MovieMaker set was developed partly as a result of this consumer interest: So-called "LUGnetters" (for Lego Users' Group, www.lugnet.com) include a huge community of auteurs who have been making stop-action animated films with Lego pieces for some time.

Many of the short films are

SKULL SESSIONS

What rooms may soon become a lot more interactive if United Internet Technologies (UIT) has its say.

The company has developed a robotic skull, based on the T2 Endoskeleton in the movie *Terminator 2: Judgment Day*, that can "speak" messages typed in chat-room exchanges. The skull's mouth moves as it croaks out the message, and remote users can control movement of the talking head with a joystick or drop-down menus.

"The T2 Endoskeleton will lead the way in the chat revolution," says Brian Shuster, chairman of UIT. "Think of it as chat on steroids." He adds that UIT intends to release a series of

Internet-based animatronic devices, most of which will likely be based on toy and cartoon characters.

The T2 has a videocamera implanted in its head, enabling chatters to see each other via Webcasting.

A combination of text-to-speech technology and UIT-developed Intelligent Control Interactive Technology (I-C-IT) controls the skull's movement.

These chat capabilities are currently proprietary, and users meet in I-C-IT content portals. But Shuster says his company is working to make the T2 compatible with AOL's Instant Messenger and MSN's Messenger Service chat technologies.

The upcoming device is aimed squarely at kids, Shuster says, noting that roughly 30 million adolescents chat online each day. Look for the T2 Endoskeleton in October—just in time for Halloween—for about \$100.

—Rik Fairlie



You talkin' to me?



Armada E500 Notebook
\$2249*

Lease for: \$64/month¹
 QuickAccess Code: 37X411-1234X

Mobile Intel® Pentium® III processor 700MHz
 featuring Intel SpeedStep™ technology
 12GB SMART hard drive²
 64MB SDRAM
 14" TFT display
 24X Max CD-ROM drive³
 56K V.90 modem⁵/NIC combo
 Microsoft® Windows® 98
 1-year worldwide limited warranty⁴

Business-boosting upgrades:

Compaq Nylon Professional Carrying Case: \$149
 MultiBay™ 8X DVD-ROM drive⁶: \$345

iPAQ™ Legacy-Free Desktop
\$749*

Lease for: \$21/month¹
 QuickAccess Code: 37X411-15519

Intel Celeron™ processor 700MHz
 10GB Ultra ATA hard drive²
 64MB SDRAM
 S510 Compaq 15" monitor (13.8" viewable)
 Integrated Intel PRO/100V Network Connection
 Carbon 2-button USB scroll mouse
 Carbon Easy Access Internet USB keyboard
 Microsoft® Windows® 2000 Professional
 1-year limited warranty⁴

Business-boosting upgrades:

Add a 24X Max CD-ROM MultiBay drive⁶: \$75
 Add a USB 56K modem⁵: \$79

Deskpro EX Microtower
\$689*

Lease for: \$20/month¹
 QuickAccess Code: 37X411-1482X

Intel Celeron processor 667MHz
 10GB Ultra ATA hard drive²
 64MB SDRAM
 Integrated 10/100 NIC
 Compaq M510 15" monitor (13.8" viewable)
 with built-in speakers
 48X Max CD-ROM drive³
 Integrated Intel 3D AGP graphics
 Integrated Intel audio
 Microsoft® Windows® 98 2nd Edition
 1-year limited warranty⁴

Business-boosting upgrades:

56K V.90 PCI modem⁵: \$90
 3-year, 9x5, next-business-day, on-site
 warranty upgrade: \$69



Compaq PCs use genuine Microsoft® Windows®
www.microsoft.com/piracy/howtotell

*Prices shown are Compaq prices; reseller and retailer prices may vary. Prices shown are subject to change and do not include applicable state and local sales tax or shipping to recipient's destination. ¹Implicit Interest rate, assuming lessee does not exercise a Fair Market Value purchase option at the end of the lease term and timely returns leased equipment to Compaq Financial Services Corporation (CFSC) at the end of the lease term. This offer cannot be combined with any other Compaq programs or discounts without the prior approval of CFSC. [Low rates on leases with \$1 end of lease term purchase options are also available.] Offer valid through May 31, 2001. ²Compaq Financial Services: Financing available through Compaq Financial Services Corporation (CFSC) to qualified commercial customers in the U.S. Financing is subject to credit approval and execution of CFSC documentation. Monthly payments are based on a 48-month Fair Market Value lease, and do not include taxes, fees, or shipping charges. Other fees and restrictions may apply and CFSC reserves the right to change or cancel this program at any time without notice. ³For hard drives, GB=billion bytes. ⁴24X Max CD-ROM data transfer rates may vary from 150 to 3600 KB/s; 40X Max rates may vary from 150 to 6000 KB/s; and 48X Max rates may vary from 3000 to 7200 KB/s. ⁵Some restrictions and

WHERE I DO BUSINESS IS MY BUSINESS.

You got where you are by working smart. Now Compaq technology makes it even more convenient. Need to do some research from your office? Go for it. Want to reply to an important e-mail from a conference room? No problem. Just hook up your PCs to the network — wire-free. You can even make some last-minute changes to a presentation from a taxi. Whatever it takes to get your best work, Compaq's innovative products make it happen. Welcome to the new IT. Inspiration Technology from Compaq. Call us today. And take your business to the next level. From wherever you are.

COMPAQ
Inspiration Technology

To buy direct or for your nearest reseller 1-888-550-8296 directplus.compaq.com

Deskpro Workstation AP250

\$1659*

Lease for: \$48/month¹

QuickAccess Code: 37X411-23564

Intel Pentium III processor 866MHz
Intel 820 chipset with AGP4X
20GB Ultra ATA/7200 rpm hard drive²
128MB/712MHz RDRAM ECC
nVIDIA TNT2 Pro graphics
48X Max CD-ROM drive³
1.44MB floppy disk drive
Intel PRO/100+ Management Adapter
Microsoft® Windows NT® Workstation 4.0
Compaq Premier-Sound™ audio
3-year limited warranty⁴

Business-boosting upgrades:

ELSA Synergy II (32MB)AGP: \$54
Professional Workstation installation: \$125
Upgrade warranty to 9x5, 4-hour response,
on-site coverage: \$349

ProLiant ML330 Server

\$1559*

Lease for: \$45/month¹

QuickAccess Code: 37X411-17X64

Intel Pentium III processor 866MHz
9.1GB Ultra2 hard drive² (exp. to 180GB)
64MB 133MHz ECC SDRAM (exp. to 2GB²)
Integrated Single Channel Wide-Ultra2
SCSI controller
40X Max CD-ROM drive³
10/100 TX UTP NIC (WoL)
6 Slots: 2 64-bit PCI, 4 32-bit PCI
Server setup and management software
3-year limited warranty⁴

Business-boosting upgrades:

Compaq RAID LC2 Controller: \$568
Compaq Pro UPS 500: \$150

ProLiant ML350 Server

\$2125*

Lease for: \$61/month¹

QuickAccess Code: 37X411-16567

Intel Pentium III processor 933MHz
9.1GB Ultra2 hard drive²
128MB 133MHz ECC SDRAM (exp. to 2GB²)
Dual processor capable
Dual Wide Ultra2 SCSI controller
40X Max CD-ROM drive³
10/100 TX UTP NIC (WoL)
7 Slots: 2 64-bit PCI, 4 32-bit PCI, 1 ISA
Server setup and management software
3-year limited warranty⁴

\$0 down, 0% interest up to 30 months

To take advantage of this great offer,
call today!

Wireless LAN

Share files, printers, and Web access throughout the office, no strings attached — or wires for that matter. It's fast, secure, and easy to set up. For a Compaq Wireless LAN solution that's right for your business, here's what you need:

Compaq Wireless LAN Cards

Keep your notebooks and desktops connected, anywhere in the office.

WL100 PC Card for notebook	\$199
WL200 PCI Card for desktop	\$199

Compaq Software Access Point

Turn any notebook, desktop, or server into a wireless access point.

Compaq WL300	\$125
--------------	--------------

Compaq Hardware Access Point

Wall-mountable units that give you the convenience of wireless LAN connectivity.

Compaq WL400	\$899
--------------	--------------

exclusions apply. Call (800) OK COMPAQ for warranty details. ¹ITU V.90 modems (available on select models) are designed only to allow faster downloads from K56flex- or V.90-compliant digital sources. Maximum achievable download transmission rates are currently unknown, may not reach 56 Kbps, and will vary with line conditions. ²8X DVD-ROM drives maximum data transfer rate is 10800 KB/s. ©2001 Compaq Computer Corporation. All rights reserved. Compaq, the Compaq Logo, ProLiant, and Deskpro are registered trademarks, and iPAQ, Armada, MultiBay, and Premier-Sound are trademarks, of Compaq Computer Corporation. Inspiration Technology is a trademark of Compaq Information Technologies Group, L.P. in the U.S. and other countries. Intel, the Intel Inside Logo, and Pentium are registered trademarks, and Celeron and Intel SpeedStep are trademarks, of Intel Corporation. Windows, Windows NT, and Microsoft are registered trademarks of Microsoft Corporation in the United States and/or other countries. Other products mentioned herein may be trademarks or registered trademarks of their respective companies. Operating system pre-installed on all portable products. Compaq is not liable for editorial, pictorial, or typographical errors in this advertisement. 8125/05/01

NET
NOW

DIGITAL DOODLES

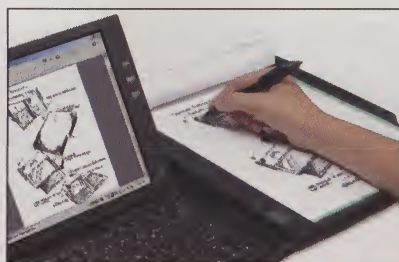
Many of the most digital among us still take notes by putting pen to paper, but it's not the most effective process. Organization can be difficult, text searches are tedious, and cutting and pasting involves scissors and glue. Scanning your notes may help, but that's time-consuming, too.

Because handwritten notes remain popular, developers have decided that if Mohammed won't come to the computer, then the computer must come to Mohammed. New devices

allow you to take notes on paper and shuffle them to your computer in real time.

Seiko Instruments' SmartPad (www.seikosmart.com) transfers your doodles via infrared to your Palm device. Just use the SmartPad pen on any 5x8-inch pad of paper placed over the pad sensor. Notes are saved in a proprietary format or as GIF images, and can be synchronized to your computer.

SmartPad user Greg Girgenti appreciates the technology. "Writing is still the fastest and most accepted way to take notes during a meeting," he says. "But I take the SmartPad



IBM ThinkPad TransNote

everywhere and I never lose a note, so I feel much more organized."

IBM has designed the ThinkPad TransNote (www.pc.ibm.com/us/thinkpad/transnote) for the same purpose. Opening the TransNote's portfolio-style cover reveals a computer powered by a 600MHz Pentium III engine with a 10.4-inch SVGA active-matrix LCD

on one side, and a pad of paper, a stylus, and a docking bay on the other. The screen may be flipped and the image inverted to show others what you're scribbling. Notes are saved as image files, and IBM's Ink Manager Pro software makes it easy to add

keywords, or to attach notes to calendar entries or e-mail messages.

If writing on a sensor pad seems confining, watch for the Virtual Pen from GOU Lite (www.goulite.com), which will use optical technology to capture writing on any surface, then transmit your notes to a PDA, cell phone, or PC.

—Steven Abrams

THE WORLD WIDE WHINE

Got a beef? Get online. Dozens of sites offer a forum for consumers to vent their dissatisfaction with companies and services. Some even offer to help resolve problems.

Bitchaboutit.com (www.bitchaboutit.com) welcomes complaints on consumer purchases (including computers and Internet service providers), government, and "your fellow man." Though the site can't address general problems ("I can't believe

eComplaints.com (www.ecomplaints.com) also publishes complaints and sends them to the offender. The site tracks how well companies respond to complaints. Many companies appear to take eComplaints seriously: Roughly 40 percent of the more than 600 companies listed responded to every complaint they received.

uGetHeard.com (www.ugetheard.com) accepts both complaints and applause in almost 100 categories, from cellular service to boating. The site allows users to review a company's record as well as consumer ratings on the company's service, attitude, and complaint resolution.

PlanetFeedback.com (www.planetfeedback.com) actually helps you write an official complaint letter, then tracks down an address (e-mail, fax, or postal mail) and sends it to the company, plus anyone else you designate. Users are asked to rate the company's response.

If you prefer more traditional grouching, try the Better Business Bureau (www.bbb.org), where you can file a complaint or request a report on a company. —Elaine X. Grant

Because Ready-to-Wear Is So Last Century

Sick of trying on a dozen pairs of jeans before you find one that fits? New customer-focused Web sites offer everything from clothing to footwear to makeup, made to your specifications.

The process is called mass customization, and it's being applied to virtually every industry, according to David M. Anderson, founder of Build-to-Order Consulting (www.btoconsulting.com), which helps businesses create mass-customization models. According to Anderson, retailers that don't adopt this model will be left in the dust.

"Online retailers offer a much greater selection than a physical store," says Anderson. "Trying to guess demand is hard to pull off, not to mention the expense and obsolescence risk of huge inventories."

Elliot Levine, executive vice president of Made4Me.com (www.made4me.com), a custom-clothing e-tailer, agrees. "Half the time, consumers walk out of a store because they can't find clothes that fit or the store

was out of stock."

Technology has brought the cost of customized products to a competitive level. Made4Me uses a process called Intellifit that helps customers input their measurements, which are then downloaded at the subcontractor's automated facility. Within

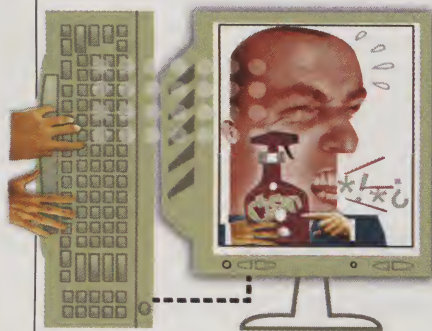


Whatever shoe your heart desires

two weeks, a custom-fitted pair of slacks is shipped, for the cost of better sportswear.

Other custom-product Web sites include Customatix.com (www.customatix.com), which offers custom footwear; Reflect.com (www.reflect.com), with custom beauty aids; and Nike iD (www.nike.com), for customized Nike shoes.

—Gwen Moran



how stupid and fickle rap music has become!" wailed one frustrated music lover), registered users will have their complaint transferred to the appropriate company or party.

NET
NOW

IT'S BETTER TO GIVE (WISELY)

Giving to charity is always noble, but it can also be risky business. How much do you know about an individual group? What percentage of the donations goes to a worthy cause and how much goes to further fund-raising?



In the past, the cautiously philanthropic have been able to turn to sources on the Web for guidance. Now, two of the most trusted are merging: The **Philanthropic Advisory Service (PAS)**, a subsidiary of the Better Business Bureau, and the **National Charities Information Bureau** are in the

process of creating the **BBB Wise Giving Alliance**.

The new organization will continue to provide information on charitable organizations and to produce the *Better Business Bureau Wise Giving Guide* publication. The alliance also hopes to encourage new standards for the Internet activities of nonprofits. For instance, the group is fostering public discussions (available at www.bbb.org/pas/standardsdiscussion.asp) about whether a disclosure of program and financial

information on a charity's Web site should be required to comply with alliance standards.

According to Bennett Weiner, PAS vice president and director, it's a good idea to do a little research online before you give to a charity. Sites such as **GuideStar** (www.guidestar.org) can detail an organiza-

tion's long-term goals, the names of its governors, and the percentage of donations that go to programs.

Weiner also says that a donor should verify the exact name of a charity (more than 300,000 charitable organizations exist, and names are easily confused) and verify its tax-

exempt status at the IRS's Web site, **The Digital Daily** (www.irs.ustreas.gov).

To request a copy of the

Wise Giving Guide, visit the BBB's Web site at www.bbb.org/pas/give.asp.

—Adam Fisher

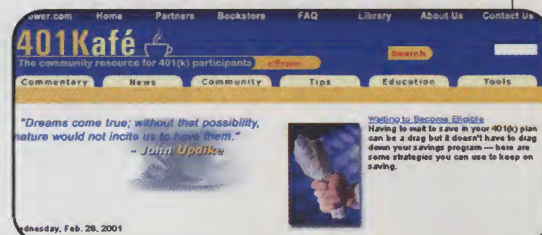
Working Benefits

With the recent rash of layoffs and an uncertain economic climate, many employees may find themselves starting new jobs, with new benefits. The plethora of issues involving health coverage, 401(k) plans, Social Security, COBRA, flexible-spending accounts, and the like can turn making informed choices into a full-time job.

"Human-resources departments don't have a lot of employees right now," says Deborah Tompkins, president of Tompkins Benefit Group, an employee-benefits consulting and brokerage firm. But she says the Web can empower employees to find their own answers.

Sites such as **BenefitsLink** (www.benefitslink.com) provide news and assistance for benefits-befuddled employees, including expert advice about 401(k) plans, group health insurance, and tax planning.

AllBusiness (www.allbusiness.com) offers help for workers and employers. Consumers can find out about standard benefit packages at emerging companies and get tips on beefing up benefits. The site also explores



Tasty tax-deferred retirement income

employee stock ownership and group health coverage.

The key to understanding confusing 401(k) plans is a click away at **401Kafe** (www.401kafe.com). Here you can read the answers to participants' most common questions or post your own query on the site's message board.

The U.S. government delivers plenty of great information, too. The **Department of Labor** offers surprisingly easy-to-understand publications for employees at www.dol.gov/dol/pwba/public/pubs/main.htm. Reports include "Top 10 Ways to Make Your Health Benefits Work for You" and "Protecting Pension and Health Care Benefits After Job Loss."

The **Bureau of Labor Statistics Employee Benefits Survey** (stats.bls.gov) lets visitors compare one company's benefits with those of another. Finally, the **Social Security Administration** provides copious information about the mysterious world of Social Security at www.ssa.gov.

—Kevin Savetz

VALUE LINE PERSONAL LASER PRINTERS

A selection of monochrome laser printers found on computershopper.com

Minolta-QMS PagePro 1100L **\$189**
10ppm, 600x600 resolution, 4MB RAM, 150-page paper tray, parallel interface

Brother HL-1240 **\$259**
12ppm, 600x600 resolution, 2MB RAM, 250-page paper tray, parallel/USB interface

Oki Data OkiPage 14e **\$330**
14ppm, 600dpi-equivalent resolution, 4MB RAM, 250-page paper tray, parallel/USB interface

NEC SuperScript 1450 **\$358**
12ppm, 1,200x600 resolution, 4MB RAM, 250-page paper tray, parallel/USB interface

\$150 **\$200** **\$250** **\$300** **\$350** **\$400**

Samsung ML-4500 **\$190**
8ppm, 600x600 resolution, 2MB RAM, 150-page paper tray, parallel interface

Lexmark Optra E312L **\$269**
10ppm, 600x600 resolution, 2MB RAM, 150-page paper tray, parallel/USB interface

Epson EPL-5700i **\$350**
8ppm, 600x600 resolution, 2MB RAM, 150-page paper tray, parallel/USB interface



Samsung ML-4500

Source: computershopper.com, February 12, 2001

etronics.com

Plugged into the World of Electronics

The Internet's Electronics Superstore

www.etronics.com

Call toll-free: 1-800-585-6097

Many reasons to log onto the Internet's most advanced electronics site...

- 360° product views.
- Streaming video product demonstrations.
- Real-time, on-line order tracking.
- 30-day Satisfaction Guarantee.
- On-line live sales reps.
- On-line expert advice.
- Comprehensive information on every product...

• Check out these and thousands of other great products when you log on at www.etronics.com. And if you decide to purchase, we'll show our appreciation by giving you a free gift (\$29.99 value) with every order over \$50.

To receive your free gift, enter code #CS0401 at checkout.

TERAPIN STAND-ALONE CD VIDEO RECORDER

Audio and Video CD Recorder



With the Terapin CD

Audio/Video Recorder you can burn 74 minutes of full motion video with audio onto a blank

CD-R or CD-RW disc -

where it can be played back on any CD or DVD player and CD or DVD-equipped computers. Now you can easily transfer all your videos from a camcorder or VCR onto a CD--with all the benefits.

JVC HR-DVS1 MINI DV/S-VHS DUAL DECK

Mini DV/S-VHS Dual Deck

A double deck, the HR-DVS1U incorporates a Mini DV VCR and an S-VHS VCR, allowing direct playback of S-VHS or Mini DV tapes. Direct dubbing from S-VHS to Mini DV and vice versa, or connect

directly to your DV camcorder for DV-to-DV edits.



SONY DAV-S300 DVD/HOME THEATER SYSTEM

Home Theater In A Box

Making the "home theater in a box" concept a reality, the incredibly affordable DAV-S300 integrates a combination receiver/DVD player with a 6-speaker package and all the speaker wire needed. Easy to install and easy to use.



TECHNICS DVD-A10N

Audio/Video DVD Player

Super-high performance

audio playback from DVD Audio Discs, a new world standard for home audio reproduction. Also plays back DVD Video Discs, Video CDs and Compact Discs for compatibility with a wide variety of formats.



SONY VPL-CS2 PROJECTOR

Multimedia Projector

Newly-developed 0.7 inch LCD panels, Sony's new category of LCD projector - the "Ultra-Personal".

At less than 7 lbs. the VPL-CS2 produces 600 ANSI lumens of brightness at native SVGA resolution. Allows for brilliant images under most any lighting conditions.



SONY NW-MS9

Digital Music Player

Removable 64 MagicGate Memory Stick Media provides up to 120 minutes of music enjoyment and can also be used to transfer and store voice, image, and data files. Transfer Internet Downloads and Recordings from Your CDs to and from PC via USB connection for high-speed data transfer.



SONY DCR-PC110 DV CAMCORDER

DV Camcorder

The DCR-PC110 Mega Handycam features a special Carl Zeiss T* Lens Coating, video-mail feature, automatic pop-up flash for quality still images and multiple connectivity options like a USB terminal, i.Link (in/out).



SAMSUNG SLK-407W DTV-COMPATIBLE

40-inch Wide Screen LCD Television

Only 13.7 inches deep and less than 60 lbs.



DTV-compatible (480P) using Samsung's unique LCD-based optical engine to deliver a crisp, bright 40-inch wide screen image. The ideal solution for those who want more TV in less space.

SONY D-EJ925

Portable CD Player

It's slim (only 9/16" thick!), it's strong (featuring a die-cast titanium body), and it gives you up to 80 hours of playback, using the supplied NiMH rechargeable battery pack and 2 (optional) "AA"s in the supplied external case. Go anywhere and do just about anything - this portable can keep the pace.



SONY MZ-R90 (BLUE)

Portable MiniDisc Player/Recorder

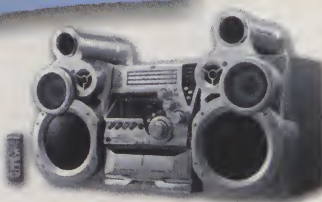
World's Smallest and Lightest Recording MD Walkman. Combines digital quality recording and superb sound reproduction. Less than 1" thick and virtually as small as a MiniDisc itself. Allows editing during playback and recording. Name bank for 600 characters. High Quality Recording with Digital Automatic Gain Control Small size.



SONY DCR-VX2000

3-CCD DV Camcorder

State-of-the-art CCDs for higher resolution images, a high-quality 2 1/2" plasma LCD screen for instant playback and still image capture either direct to Memory Stick media or from a single frame of video footage. Still images are saved in 640 x 480 (VGA) image size.



JVC MX-GT80 Mini System

Features 3-CD Triple Tray, CD-R/RW playback, Dual Well Auto Reverse cassette deck, 3-way 3 speaker band pass design, 4-layer voice coil subwoofer. 350 Watts total power (120W + 55 W) x 2.

GARMIN STREETPILOT COLOR GPS System

The StreetPilot GPS ColorMap takes up where the StreetPilot leaves off. Features a razor-sharp, high-resolution, 16-color display for easy reading, offers 5 times the number of waypoints (points of interest that can be marked) and double the Tracklog Points. Includes a cigarette lighter adapter, PC cable and dashboard mount.



PANASONIC KX-TG2000B

2-LINE PHONE SYSTEM

Cordless Phone System

2.4GHz multi-handset cordless phone system. The advantages of a business-style telephone system with the convenience and mobility of cordless operation, Call Transfer, Message Transfer, Deliver Message and more...



NIKON COOLPIX 880

Digital Camera

Featuring 3.34 Megapixel CCD with true (non-interpolated) image resolution (2048 x 1536), 2.5x Zoom-Nikkor lens, 5-Area



Multi Area Autofocus, 1.5 frames per second full resolution image capture, 30 frames per second QVGA, and 15 frames per second QVGA movies for 40 seconds in Motion-JPEG Mode.

CANON PRO90 IS

Digital Camera

Features 3.3 Megapixel Image Sensor, 2.6 Megapixel effective Resolution, Built-In Image Stabilizer, 10x optical zoom, Integrated Flash. Offers you a huge range of focal lengths, from 37 mm (equiv.) to 370 mm (equiv.).



HOT GEAR

the Stuff you want

polychromatic PDA

Palm m505

What it is:

An updated version of the insanely popular Palm V series that adds a 16-bit reflective color display and a SD card media expansion slot for memory boosts and add-on apps.

Why it's better:

The color display, of course. Plus, the \$449 m505 is only 1mm thicker than the monochrome Palm Vx, and it packs 8MB of RAM, a zippier processor, and new long-life lithium-polymer battery technology.

Why you think you need it:

For easy-on-the-eyes reading of e-books, showing off digital snapshots, and browsing AvantGo dispatches. Plus, your calendar seems so much less drab in color.

Why you really need it:

It's the only color-display PDA slim enough to slip into your shirt pocket without popping the seams.

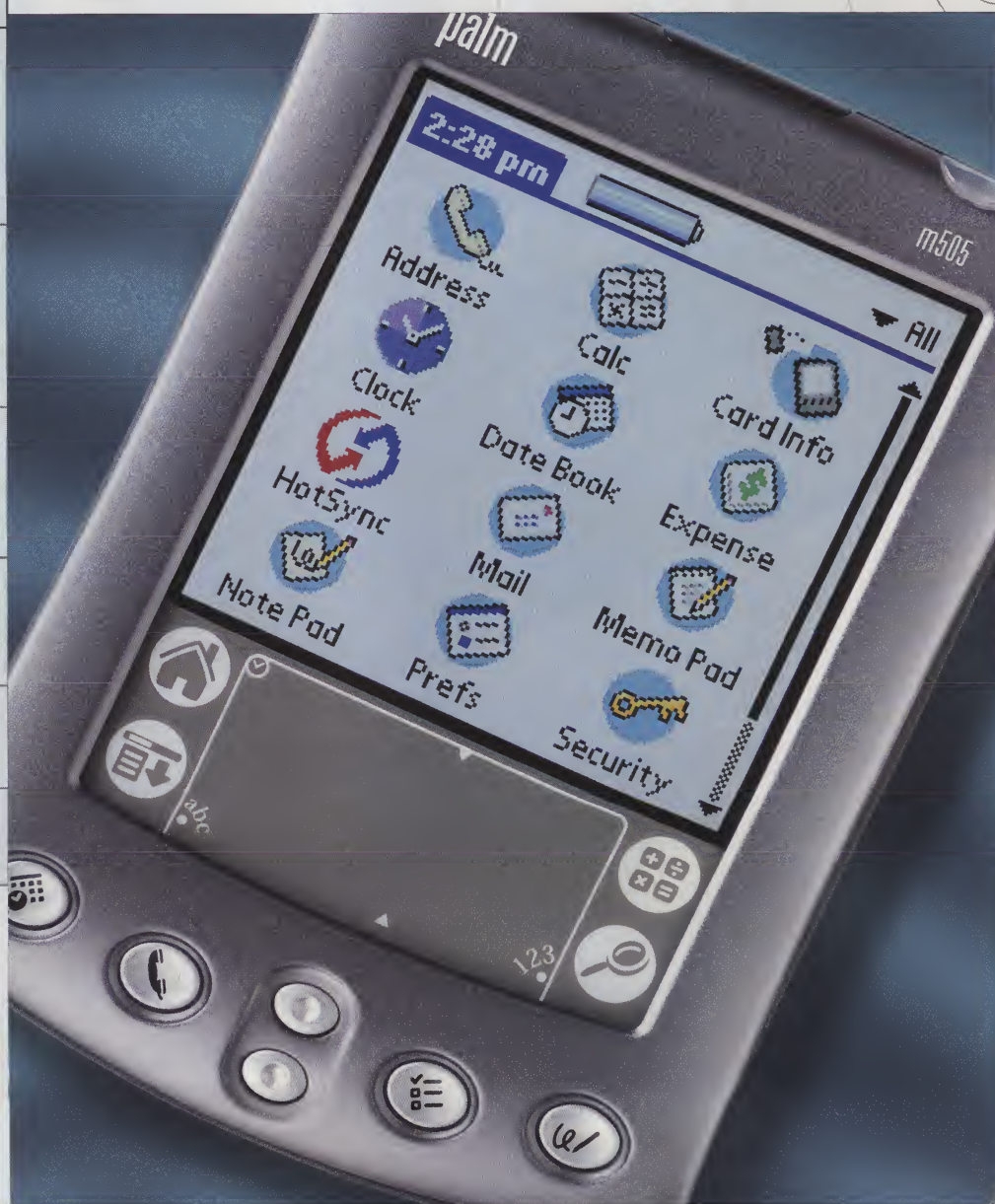
What the Pocket PC people will say:

Lean, but at a hefty price. And it doesn't have the guts to handle Quake.

Get your hands on one:

Palm, www.palm.com, 800-881-7256

34361



00000 = ZDNet Price It!

For real-time pricing, go to priceit.zdnet.com and enter number.

HOT GEAR

the Stuff you want



1



2



3

1

power scans

For space-saving hard-copy image capture, consider Microtek's \$449.99 **ScanMaker 5700**. This advanced flatbed scanner can scan full-color documents of 30MB or larger and save them as 1MB PDF files. With its 2,400x1,200 dpi resolution and 42-bit color depth, the device is also perfect for scanning images for use in presentations, printed documents, and Web pages. In addition, the ScanMaker has a dual-purpose lid that functions as a 4x5-inch transparency adapter with an illuminated area for viewing 35mm transparencies.

➤ **Microtek ScanMaker 5700**
Microtek Lab
Redondo Beach, CA; 800-654-4160
www.microtek.com

34351

2

hi-fi MP3

Compaq's new **iPaq Music Center** is both a conventional CD player and a device that deftly rips CDs into MP3 files and stores them on its 20GB hard drive. The \$899 Music Center, which is designed to fit right in with your standard stereo components, can store more than 5,000 MP3 songs. These tunes can be organized into playlists and displayed on its LED screen or output to a conventional television. It also automatically downloads track and artist information from the Web via an internal 56kbps modem. Lazy? A remote is included.

➤ **Compaq iPaq Music Center**
Compaq Computer
Houston, TX; 800-345-1518
www.compaq.com/ipaq

34353

3

visor vox

Crazy for content but tired of squinting at small PDA screens? Let your Visor speak to you. Users of Handspring's popular PDA can plug in the new \$119 **Audible Advisor** module to access more than 26,000 hours of spoken-audio content from Audible.com (www.audible.com). The module enables you to subscribe to daily spoken-word content from *The Wall Street Journal*, *The Economist*, *Slate*, and many other periodicals, as well as to download audio-book versions of classics and current best-sellers. Content conveniently and automatically transfers during HotSync.

➤ **Card Access Audible Advisor**
Card Access
Americanfork, UT; 801-492-4750
www.cardaccess-inc.com

34349

4

mini-mailer

Net neophytes need not purchase a PC just to read e-mail and explore the Web. Cidco offers the \$179.99 **Mivo 300**, a tiny appliance that features a full-size keyboard, an integrated display, and an internal 56kbps modem. This portable, affordable device can display personalized Web channels and e-mail messages, enabling you to add e-mail access to any room with a standard phone line for just \$14.95 a month for the Internet connection. Outfitted with 1MB of internal memory, this little doodad even has an electronic calendar, photo album, and address book.

➤ **Cidco Mivo 300**
Cidco
Morgan Hill, CA; 408-776-3193
www.cidco.com

34352

5

making tracks

Create and take your MP3 CDs anywhere with Sony's new \$399 **Digital Relay CRX10U-A2**, a battery-powered portable CD-RW drive that also functions as a stand-alone audio-CD player.

Thanks to its standard USB connection and included cable, the Digital Relay lets you make quick data backups, burn your own audio CDs, or create digital photo albums. It records at a maximum 4x speed and reads at a maximum 6x. On the road, the device spins standard audio CDs as well as any disc encoded with MP3 files. It comes with compact earphones and a wired remote.

➤ **Sony Digital Relay CRX10U-A2**
Sony Electronics
San Jose, CA; 800-352-7669
www.sony.com/digitalrelay

34350

6

audio-video combo

Bet you think you're hip just 'cause you've always got an MP3 player handy. Think again. Kodak's \$299 **mc3** is a digital music player that doubles as a digital camera and videocam. Pocketable at 7 ounces, the mc3 can save both 640x480-resolution still images and video movies at either 10 or 20 frames per second onto standard CompactFlash cards. The device comes with a color LCD for previewing images, built-in speaker, headphone jack, and USB cable for transferring data to your computer. It also ships with earphones, editing software, and a 64MB card.

➤ **Kodak mc3**
Eastman Kodak
Rochester, NY; 800-235-6325
www.kodak.com/go/mc3

34354



4



5



6

PRICED TO MOVE. YOU *DECIDE* WHERE.


Whether for use at home, work or on a deserted island, we have more than enough notebook options to meet your needs. With prices starting at just \$1069, they're sure to meet your budget as well. And with features like Next-Business-Day On-Site Service⁴, they'll always meet your itinerary. Now add our TrueMobile™ Wireless Technology solutions⁴² and turn that deserted island into your personal communications hub (we won't tell that it's just your kid's sandbox).



DELL™ INSPIRON™ 3800

Design and Affordability Notebook

- Intel® Celeron™ Processor at 600MHz
- 12.1" SVGA TFT Display
- 64MB SDRAM ■ 5GB⁸ Ultra ATA HD
- Modular 24X Max Variable CD-ROM
- 8MB ATI® Rage Mobility™ M1 3D[®] Video, 2X AGP
- 4-cell Li-Ion Battery w/ExpressCharge™ Technology
- Internal 56K Capable[®] Modem
- MS® Works Suite 2001 ■ MS® Windows® Me
- 1-Yr Ltd Warranty²; 1-Yr Mail-in Service, 1-Yr Phone Tech Support

\$1069  **E-VALUE CODE**
05982-890410

BUSINESS LEASE: \$30/MO., 48 MOS.¹¹

- Intel® Pentium® III Processor at 700MHz, add \$130
- 3-Yr NBD On-Site Service⁴ with Lifetime Phone Tech Support, add \$219

DELL™ NOTEBOOKS:

DELL™ INSPIRON™ 4000

Style, Freedom, Simplicity Notebook

- Intel® Celeron™ Processor at 700MHz
- 14.1" XGA TFT Display
- 64MB SDRAM ■ 5GB⁸ Ultra ATA HD
- Modular 24X Max Variable CD-ROM
- 8MB ATI® Rage Mobility™ 128 3D[®] Video, 2X AGP
- 4-cell Li-Ion Battery w/ExpressCharge™ Technology
- MS® Works Suite 2001
- MS® Windows® Me
- 1-Yr Ltd Warranty²; 1-Yr Mail-in Service, 1-Yr Phone Tech Support

\$1329  **E-VALUE CODE**
05982-890413

BUSINESS LEASE: \$37/MO., 48 MOS.¹¹

- 128MB Memory, add \$75
- Internal TrueMobile™ Wireless NIC⁴² Card, add \$99
- 3-Yr Mail-in Service with Lifetime Phone Tech Support, add \$99

DELL™ INSPIRON™ 4000

Design and Affordability Notebook

- Intel® Pentium® III Processor at 850MHz
- 14.1" XGA Display
- 128MB SDRAM ■ 10GB⁸ Ultra ATA HD
- Modular 24X Max Variable CD-ROM
- 8MB ATI® Rage Mobility™ 128 3D[®] Video, 2X AGP
- 4-cell Li-Ion Battery w/ExpressCharge™ Technology
- MS® Office 2000 Small Business
- MS® Windows® Me
- 1-Yr Ltd Warranty²; 1-Yr Mail-in Service, 1-Yr Phone Tech Support

\$1729  **E-VALUE CODE**
05982-890417

BUSINESS LEASE: \$48/MO., 48 MOS.¹¹

- Modular 8X Max CD-RW, add \$249
- 3-Yr Mail-in Service with Lifetime Phone Tech Support, add \$99

DELL™ INSPIRON™ 8000

NEW—Performance and Versatility Notebook

- Intel® Celeron™ Processor at 700MHz
- 14.1" Super XGA+ TFT Display
- 64MB SDRAM ■ 5GB⁸ Ultra ATA HD
- Fixed CD-ROM (Upgrade to CD-RW or DVD)
- Modular Floppy (Upgrade to Optical or Zip Drive)
- Internal 56K Capable[®] Mini-PCI Modem
- 8MB ATI® Mobility™ M4 3D[®] Video, 4X AGP
- 59Whr Li-Ion Battery w/ExpressCharge™ Technology
- MS® Office 2000 Small Business
- MS® Windows® Me
- 1-Yr Ltd Warranty²; 1-Yr Mail-in Service, 1-Yr Phone Tech Support

\$1639  **E-VALUE CODE**
05982-890416

BUSINESS LEASE: \$45/MO., 48 MOS.¹¹

- Internal TrueMobile™ Wireless NIC⁴² Card, add \$99
- 3-Yr NBD On-Site Service⁴ with Lifetime Phone Tech Support, add \$219

DELL™ NOTEBOOKS:

DELL™ INSPIRON™ 8000

NEW—Performance and Versatility Notebook

- Intel® Pentium® III Processor at 1.0GHz
- 15" Super XGA+ TFT Display
- 64MB SDRAM ■ 5GB² Ultra ATA HD
- Fixed CD-ROM (Upgrade to CD-RW or DVD)
- Modular Floppy (Upgrade to Optical or Zip Drive)
- Internal 56K Capable³ Mini-PCI Modem
- 16MB ATI® Mobility™ M4 3D⁴ Video, 4X AGP
- 59Whr Li-Ion Battery w/ExpressCharge™ Technology
- MS® Office 2000 Small Business
- MS® Windows® Me
- 1-Yr Ltd Warranty⁵, 1-Yr Mail-in Service, 1-Yr Phone Tech Support

\$2289  **E-VALUE CODE**
05982-890422

BUSINESS LEASE: \$63/MO., 48 MOS.¹¹

- Xircom® RealPort® Card Bus Ethernet 10/100 + 56K Capable³ Modem, add \$229
- Internal TrueMobile™ Wireless NIC² Card, add \$99

DELL™ LATITUDE™ CPT

Network-Optimized Value Notebook

- Intel® Celeron™ Processor at 600MHz
- 12.1" SVGA Active Matrix Display (14.1" XGA Available)
- 64MB SDRAM ■ 6GB² Ultra ATA HD
- 8MB ATI® Mobility™ M1 Video, 2X AGP
- MS® Windows® 98, Second Edition
- Modular 24X Max CD-ROM/Floppy Drive
- Internal 56K Capable³ SoftModem
- Li-Ion Battery w/ExpressCharge™ Technology
- Dual Pointing – Touchpad and Pointing Stick
- 1-Yr NBD On-Site Service⁴

\$1399  **E-VALUE CODE**
05982-790413

BUSINESS LEASE: \$39/MO., 48 MOS.¹¹

- 14.1" Active Matrix Display, add \$200
- Deluxe Nylon Carrying Case, add \$69

DELL™ LATITUDE™ L400

NEW—UltraMobile Solution at 3.4 lbs⁹

- Intel® Pentium® III Processor at 700MHz
- 12.1" XGA Active Matrix Display
- 128MB SDRAM ■ 6GB² Ultra ATA HD
- 4MB ATI® Mobility™ M Video, 2X AGP
- MS® Windows® 2000 Professional
- External Floppy Disk Drive
- Internal 56K Capable³ Modem and 10/100 NIC
- Li-Ion 4-cell Battery (Upgrade to 6-cell, only \$49)
- 1-Yr NBD On-Site Service⁴

\$1999  **E-VALUE CODE**
05982-790419

BUSINESS LEASE: \$55/MO., 48 MOS.¹¹

- Advanced Port Replicator, add \$199
- 3-Yr NBD On-Site Service⁴ with CompleteCare™ Service²; add \$309

DELL™ LATITUDE™ C600

Network-Optimized and Wireless-Ready

- Intel® Pentium® III Processor at 750MHz (up to 850MHz)
- 14.1" XGA Active Matrix Display
- 128MB SDRAM ■ 6GB² Ultra ATA HD
- 8MB ATI® Mobility™ M Video, 2X AGP
- MS® Windows® 2000 Professional
- Modular 24X Max CD-ROM/Floppy Drive
- Integrated Mini-PCI V.90/56K Capable³ Modem
- Li-Ion Battery w/ExpressCharge™ Technology
- Dual Pointing – Touchpad and Pointing Stick
- 3-Yr NBD On-Site Service⁴

\$2159  **E-VALUE CODE**
05982-790421

BUSINESS LEASE: \$60/MO., 48 MOS.¹¹

- Integrated Mini-PCI 802.11b Wireless LAN¹ Card, add \$99
- Upgrade to CompleteCare™ Service²; add \$169

DELL™ LATITUDE™ C600

Network-Optimized and Wireless-Ready

- Intel® Pentium® III Processor at 850MHz
- 14.1" XGA Active Matrix Display
- 128MB SDRAM ■ 10GB² Ultra ATA HD
- 8MB ATI® Mobility™ M Video, 2X AGP
- MS® Windows® 2000 Professional
- Modular 24X Max CD-ROM/Floppy Drive
- Integrated Mini-PCI V.90/56K Capable³ Modem
- Li-Ion Battery w/ExpressCharge™ Technology
- Dual Pointing – Touchpad and Pointing Stick
- 3-Yr NBD On-Site Service⁴

\$2359  **E-VALUE CODE**
05982-790423

BUSINESS LEASE: \$65/MO., 48 MOS.¹¹

- Combo 10/100 NIC and Modem, add \$79
- Latitude™ C/Dock® II Expansion Station, add \$499

DELL™ LATITUDE™ C800

NEW—Powerful Desktop Alternative

- Intel® Pentium® III Processor at 850MHz (up to 1.0GHz)
- 15" SXGA+ Active Matrix Display (UXGA Available)
- 128MB SDRAM ■ 10GB² Ultra ATA HD
- 16MB ATI® Mobility™ M4 Video, 4X AGP
- MS® Windows® 2000 Professional
- Modular 24X Max CD-ROM/Floppy Drive
- Integrated Mini-PCI V.90/56K Capable³ Modem
- Li-Ion Battery w/ExpressCharge™ Technology
- Dual Pointing – Touchpad and Pointing Stick
- 3-Yr NBD On-Site Service⁴

\$2559  **E-VALUE CODE**
05982-790425

BUSINESS LEASE: \$71/MO., 48 MOS.¹¹

- 32MB ATI® Rage Mobility™ M4 Video, 4X AGP, add \$179
- 20GB² Ultra ATA HD, add \$199



Includes Windows Millennium Edition — the home version of the world's favorite software.

Dell recommends Windows 2000 Professional for business.

Phone Hours: M-F 7a-9p | Sat 10a-6p | Sun 12p-5p CT
In Canada, call 800-232-6306 | In Mexico, call 001-877-269-3379 | GSA Contract #GS-35F-4076D

Prices, specifications and availability may change without notice. Taxes and shipping charges extra, and vary. Cannot be combined with other offers or discounts. U.S. only. ²For a copy of our Guarantees or Limited Warranties, write Dell USA L.P., Attn: Warranties, One Dell Way, Round Rock, Texas 78682. ³At-Home or On-Site service provided via third-party contract with customer. Technician will be dispatched, if necessary, following phone-based troubleshooting. To receive Next-Business-Day service, Dell must notify the service provider before 5 pm (customer's time). Availability varies. Other conditions apply. ⁴For hard drives, GB means 1 billion bytes; accessible capacity varies with operating environment. ⁵Download speeds limited to 53Kbps. Upload speeds are less (about 30Kbps) and vary by modem manufacturer and line conditions. Analog phone line and compatible server required. ⁶Weight with 4-cell battery in bay. ⁷Business leasing arranged by Dell Financial Services L.P., an independent entity, to qualified customers. Lease payments based on 48-month FMV purchase option lease and do not include taxes, fees and shipping charges. Subject to credit approval and availability. Lease terms subject to change without notice. ⁸CompleteCare service excludes theft, loss and damage due to fire or intentional damage. CompleteCare is currently not available in all states. For complete details, visit www.dell.com/us/en/bsd/services/service_completecare_svc.htm. ⁹Connect at a rate of 11Mbps up to 160m from connected access point. Range and speed may vary due to number of users, interference, transmission barriers (such as walls and building material) and other factors. ¹⁰Connect at a rate of 11Mbps up to 100m from connected access point. Range and speed may vary due to number of users, interference, transmission barriers (such as walls and building material) and other factors. Dell, the stylized E logo, E-Value, Inspiron and Latitude are trademarks of Dell Computer Corporation. Intel, the Intel Inside logo and Pentium are registered trademarks, and Intel Celeron is a trademark of Intel Corporation. MS, Microsoft, MSN, Windows NT and Windows are registered trademarks of Microsoft Corporation. Dell cannot be held responsible for errors in typography or photography. ©2001 Dell Computer Corporation. All rights reserved.



USE THE POWER OF THE E-VALUE CODE.
Match our latest technology with our latest prices. Enter the E-VALUE code online or give it to your sales rep over the phone. www.dell.com/evalue

GET EXACTLY WHAT YOU'RE LOOKING FOR

866.534.3355

WWW.DELL.COM



Computer Shopper and ZDNet editors pick the best values among the latest tech products.

DESKTOPS

ABS AMD Web Special

Priced just under \$1,000, the ABS AMD Web Special is an incredible bargain. Not only do you get a fast 900MHz Athlon processor, 128MB of memory, and a three-piece speaker system, but its full-tower enclosure



houses a speedy nVidia GeForce2 MX-based graphics card, a 16x DVD-ROM drive, and a roomy 30GB hard drive.

REVIEWED IN APRIL ISSUE

ABS Computer Technologies

800-876-8088 • www.buyabs.com

Direct Price: \$999 **34280**

Micronpc.com Millennia Max XP

Not only is the Millennia Max XP the first computer to use DDR memory, but this fully loaded 1.2GHz Athlon PC can hold its own against 1.5GHz Pentium 4 systems in benchmark performance and features.

Just as impressive: You can purchase the Millennia Max for approximately \$1,000 less than comparable Pentium 4 rigs.

REVIEWED IN MARCH ISSUE

Micronpc.com • 888-224-4247

www.micronpc.com

Direct Price: \$2,699 **34218**

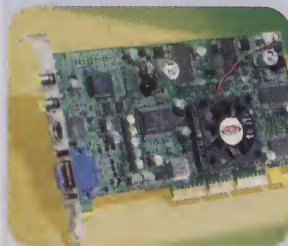


Hercules Game Theater XP

HARDWARE

ATI All-in-Wonder Radeon

Although it's priced higher than most TV-tuner cards, the All-in-Wonder Radeon is not like most TV cards. Based on ATI's acclaimed Radeon graphics chipset, the All-in-Wonder marries cutting-edge graphics performance with a personal video system capable of pausing, rewinding, and recording live TV broadcasts, and cap-



turing and editing MPEG-2 video (and outputting it to a TV or VCR).

REVIEWED IN APRIL ISSUE

ATI Technologies • 905-882-2600

www.ati.com

List Price: \$329.99 **34256**

Hercules Game Theater XP

PC audio enthusiasts can go all out with this combination sound card and outboard connector box. The sound card offers everything from 20-bit digital-to-analog conversion to support for Dolby Digital processing, EAX 2.0, and A3D 1.0. The connector box,

meanwhile, boasts a full complement of input/outputs, including four USB ports, MIDI-in and -out, and digital S/PDIF inputs and outputs.

REVIEWED IN MARCH ISSUE

Hercules • 877-484-5536

www.hercules.com

List Price: \$149.99 **34206**

Lexmark Z82 Color Jetprinter

The highest-quality output of the \$199.99 Lexmark Z82 Color Jetprinter can hold its own against that of photo printers costing nearly five times the price. But what's even more amazing is that the Z82 is a multifunction device that also provides decent scanning and copying capabilities.

REVIEWED IN APRIL ISSUE

Lexmark International

888-539-6275 • www.lexmark.com

Mfr. Est. Price: \$199.99 **34277**

Seagate Barracuda ATA III ST340824A

Affordable, fast, and quiet—three adjectives that neatly sum up the new Seagate Barracuda ATA III 40GB hard drive. In addition to zipping through the Business Disk WinMark 99 and High-End Disk



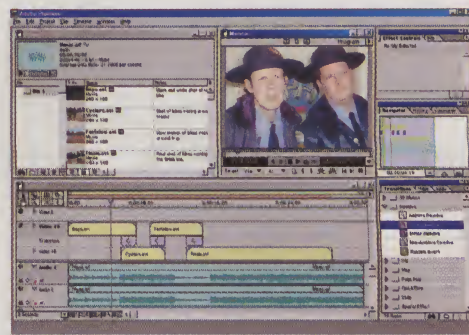
WinMark 99 bench tests with scores more than 25 percent higher than average, the Barracuda incorporates a new design that keeps it running in near-absolute silence. A natural choice for disk upgrades.

REVIEWED IN APRIL ISSUE

Seagate Technology

877-271-3285 • www.seagate.com

Mfr. Est. Price: \$180 **34279**



Adobe Premiere 6

SOFTWARE

Adobe Premiere 6

Although this latest version of Adobe Premiere may not be perfect, it comes closer than ever with new features such as the Project Bin window, which displays thumbnails of each captured shot along with searchable text notes, and the new Export to Web feature, which saves your video in RealVideo, QuickTime, or Windows Media format and uploads the compressed movie to a Web site. Very pretty pictures indeed.

SEE THIS MONTH'S REVIEW ON P. 86

Adobe Systems • 888-724-4507

www.adobe.com

Mfr. Est. Price: \$549 [full version];

\$149 [upgrade] **34302**

Microsoft Picture It Photo Premium 2001

The latest version of Microsoft's popular image-editing software combines a powerful feature set with a friendly interface that initially presents users with three simple courses of action. In addition to effortless operation, Picture It offers a wide selection of special effects and templates that lets you customize your images to your eyes' content.

REVIEWED IN APRIL ISSUE

Microsoft • 800-426-9400

www.microsoft.com

Mfr. Est. Price: \$54.95 [before \$15 rebate, valid until October 1] **34260**

Pocket Express Entertainment Pack

Kill some time with this nifty group of games for your Palm-compatible device, including titles like Lode Runner: The Legend Returns and Pocket Express PokerDice. You also get old standards such as Tetris Classic, Solitaire Free, PocketChess, and Blackjack. Install them all, or just your favorites.

SEE THIS MONTH'S FEATURE ON P. 121

Pocket Express • 415-446-5370

www.pocketexpress.com

Price: \$29.99 **34327**

Quicken TurboTax Deluxe

The simplicity and accuracy of TurboTax Deluxe has kept the software tops in its field for years. That winning streak continues with the 2001 edition. In addition to improving on its already easy-to-use interface and help resources, the program now lets you import W-2 and 1099 info. Unfortunately, it doesn't make it any easier to fill out the checks that might need to accompany your annual returns.

REVIEWED IN MARCH ISSUE

Intuit • 800-335-1348 • www.turbotax.com

Mfr. Est. Price: \$39.95 [before \$10

rebate, valid until October] **34203**



Intel Pocket Concert Audio Player

GAMES

The Longest Journey

One of the best adventure games we've seen in years, *The Longest Journey* combines an original story, great characters, and sumptuous graphics and settings to tell the tale of a young woman who is literally caught between two worlds. Complex yet totally engrossing, this is one journey you'll never want to end.

REVIEWED IN APRIL ISSUE

Funcom • www.funcom.com

Mfr. Est. Price: \$39.99 **34288**

You Don't Know Jack 5th Dementia

The latest installment in the popular game-show-inspired PC game series features 600 new questions delivered in Jack's unique style of irreverent humor. In addition to its usual three-contestants-at-one-PC style of

gameplay, 5th Dementia introduces a new network play mode, a completely seamless link for challenging friends and strangers online. If you don't know Jack, this is certainly a great way to make the acquaintance.

REVIEWED IN MARCH ISSUE

Sierra Attractions • 800-757-7707

www.ydkj.com

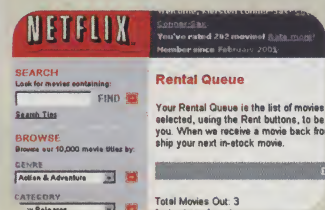
Mfr. Est. Price: \$29.95 **34229**



WEB SERVICES

Netflix

Love renting DVD movies, but hate the trek to the video store? Then take a look at Netflix, an innovative service that lets you rent all the movies you want in



batches of three at a time, for a flat fee of \$19.95 per month. [Other pricing plans are available, too.] Movies are delivered and returned by U.S. mail; return postage is included in the monthly fee. The well-organized site even lets you maintain a queue of upcoming rentals. When you're done with a film, drop it in the mail, and when Netflix receives it, the company sends the next movie on your list.

SEE THIS MONTH'S REVIEW ON P. 92

Netflix.com • 888-638-3549

www.netflix.com

Price: \$13.95 to \$39.95 per month **34359**



Dell Inspiron 8000

MOBILE

Compaq iPaq H3650 Pocket PC

As capable as it is comely, the Compaq iPaq H3650 marries a fast 206MHz Intel StrongARM processor, 32MB of RAM, and a color LCD, and wraps it up in a dazzling chrome enclosure. But what makes this Pocket PC truly special is its use of plastic sleeves, called Expansion Packs, which add a CompactFlash or PC Card slot for almost unlimited connectivity options.

REVIEWED IN MARCH ISSUE

Compaq Computer • 800-282-6672

www.compaq.com

Mfr. Est. Price: \$499 **34224**

Dell Inspiron 8000

One of the best desktop-replacement notebooks we've seen, the new Dell Inspiron 8000 performs like a monster. Boasting desktop-level 3D performance, it casually devoured our benchmark tests with its 850MHz Pentium III processor, 16MB nVidia GeForce2 Go graphics subsystem, and 128MB of RAM. Topped off by a spacious 20GB hard drive, a lovely 15-inch screen, and an 8x DVD-ROM, the Inspiron 8000 is a steal at \$2,422.

SEE THIS MONTH'S REVIEW ON P. 82

Dell Computer • 800-915-3355

www.dell.com

Direct Price: \$2,422 **34300**

Handspring Visor Platinum

It's the same size and weight as earlier Visors, but the new Visor Platinum steps up with a speedy 33MHz Motorola processor and 8MB of memory (enough for 12,000 addresses, 10 years of appointments, 6,000 to-do items, 6,000 memos, and 400 e-mail messages). It also ships with the latest Palm OS, all the standard Palm apps, and a cradle that uses a USB connection. A smart choice, hands down.

REVIEWED IN MARCH ISSUE

Handspring • 888-565-9393

www.handspring.com

Mfr. Est. Price: \$299 **34225**

HP Omnibook 500

As seductively stylish as it is versatile, the HP Omnibook 500 shifts easily between a fully equipped desktop replacement and slight 3.7-pound ultraportable. For \$3,039, the Omnibook packs a speedy 600MHz Pentium III processor, 128MB of SDRAM, a roomy 20GB hard drive, and top-drawer

battery performance into a sleek-looking titanium case that'll satisfy even the most discriminating executives.

REVIEWED IN APRIL ISSUE

Hewlett-Packard • 800-752-0900

www.hp.com

Mfr. Est. Price: \$3,039 **34274**

Intel Pocket Concert Audio Player

Intel's first foray into the MP3-hardware market has produced a winner. Loaded with an amazing 128MB of memory—enough for four hours of near-CD-quality music—and measuring just slightly larger than a business card, the Pocket Concert has an outstanding feature set that also includes an FM tuner and a backlit LCD. The only downside is you can't add memory. But then, it ships with twice as much storage as most MP3 players.

SEE THIS MONTH'S FEATURE ON P. 104

Intel • 800-538-3373

www.intel.com/home/audio

Direct Price: \$299.99 **34339**

Palm Vllx

Mobile executives are bound to turn some heads with the stylish Palm Vllx. But the real eye-opener is its wireless access to the Internet and clever Palm Query Apps (POAs), hundreds of tiny Web-clipping applets that display dynamic or static data from a wide range of sites. The only downside: You pay a premium price for the monthly wireless service.

REVIEWED IN MARCH ISSUE

Palm • 800-881-7256 • www.palm.com

Mfr. Est. Price: \$449 **34227**

Sonicblue Rio 800

The company that brought us the first portable MP3 player has surpassed itself with the Rio 800. Like its predecessor, the Rio 600, this player lets you expand its 64MB of internal memory via proprietary snap-on "backpacks." It also supplies a wired remote control, a comfortable pair of collapsible headphones, and a built-in voice recorder. Add to that a backlit LCD with an outstanding interface, and you're good to go.

SEE THIS MONTH'S FEATURE ON P. 104

Sonicblue • 800-468-5846

www.riohome.com

Direct Price: \$279.95 **34343**

00000 = **Price It!**

For real-time pricing, go to priceit.zdnet.com and enter number.

**JOHN
BLACKFORD**

In Search of... A Tech-Stock Upside

Despite the market crash, technology is the future.

DON'T LAUGH. ALL THOSE INTERNET STARTUPS *DID* HAVE a business plan: the noble ideal of money for nothing. And it worked! Stocks kept rising as venture capital poured in, to the point that some analysts started to believe it all could last.

After the bubble burst, though, tech stocks couldn't buy a break. Now, if you were to ask the man in the street about dot-com venture capital, he would probably say, "What capital?" But there is investment money

out there, though the watchwords today for any dot-com to have a prayer of getting funded are profitability and sound business planning.

WELCOME TO THE BIG GUYS

Maybe that's unfortunate. Not only was the earlier illusion more fun, but given the continuing need for vast investment—for research, expansion, and infrastructure upgrades—well-capitalized companies must merge and consolidate to be able to meet the outlays required.

Sound familiar? That's right, a relatively small group of conglomerates will rule the Web: manufacturers, telecoms, software providers, and content creators. On the bright side, you'll access a mind-boggling array of entertainment, services, and productivity tools, delivered on dozens of devices.

Copyrighted material will largely be protected, despite leakage from illicit file-sharing services and systematic content piracy overseas. Generally, though, you'll pay for copyrighted content and services by subscription.

In fact, once the basic hardware is perfected and the necessary billions invested in high-speed links, content by subscrip-

tion will be a dominant source of revenue for the tech conglomerates. We're seeing that trend already as PCs become loss leaders, paid for by after-sale services. And we may yet see the day when most PCs and wireless phones/PDAs cost nominal sums, subsidized by multiyear subscriptions.

Don't say you wouldn't pay to have an



efficient, tightly integrated Internet experience tailored to your particular needs and preferences. Add in feeds of music, movies, books, and games, and you might be willing to shell out a hefty sum, especially if the hardware cost were minimal.

PCs BEYOND THE BOX

In the PC industry, Compaq, IBM, and HP already employ "beyond-the-box" elements to enhance their business. They expect revenue from such back-end hardware and services to account for a growing share of their profits.

Dell and Gateway, on the other hand, have been more closely tied to the PC itself. Dell has begun to pick up PC market share with aggressive price cutting, but to compensate, the company must increase market share among businesses, especially with sales of servers and back-end services. Gateway, despite efforts to extend its relationship with customers beyond the initial sale, is more clearly tied to the PC as the core of its business. Ted Waitt's recent return as CEO suggests a possible change of emphasis, but it remains to be seen which way he'll go.

On the software side, Microsoft gains much of its revenue from its Office suites: 95, 97, 2000, and now XP. It will need a steady stream of cash from them to make the transition to subscription-based software and services. In fact, it's already taken the first step with Office XP, whose "product activation" technology is in fact locking technology that fixes the software installation to a particular hardware configuration. With that done, Microsoft can sell or rent software and upgrades with much less fear of illegal copying.

DOT-COM SURVIVORS

Just as PC vendors are looking for revenue beyond the box, so the remaining dot-com players must find ways to pay as they go. The most promising options are, first, to get acquired by a larger company willing to retain the dot-com's services in a larger bundle rented to consumers or businesses, or, second, to find ways to generate revenue sufficient to meet ongoing expenses and grow incrementally.

The enduring legacy of the dot-com startups may well be not Napster, targeted by copyright holders everywhere, but eBay, which has taken the lowly swap meet online and around the globe. eBay has been profitable from the beginning, and its management is working to extend service to businesses, helping them liquidate old equipment direct to consumers.

john_blackford@znet.com

ILLUSTRATION BY JOYCE HESSELBERTH/SIS

JOHN DVORAK

A Higher Standard For Digital Music

Will AAC replace MP3 as the encoding standard of choice? Stay tuned.

AS THE FUSS OVER MP3-TRADING SITES SUCH AS NAPSTER continues, new music-encoding standards are slowly creeping onto the scene without attracting much attention. It appears Advanced Audio Coding (AAC) will replace MP3 within the next few years.

MP3 is a first-generation technology based on MPEG-1 Audio Layer 3, named MP3 as a convenient file extension. The audio- and video-compression technologies it employs are crude by today's standards. MPEG-2, the technology

used in DVD players, dramatically improves both audio and video.

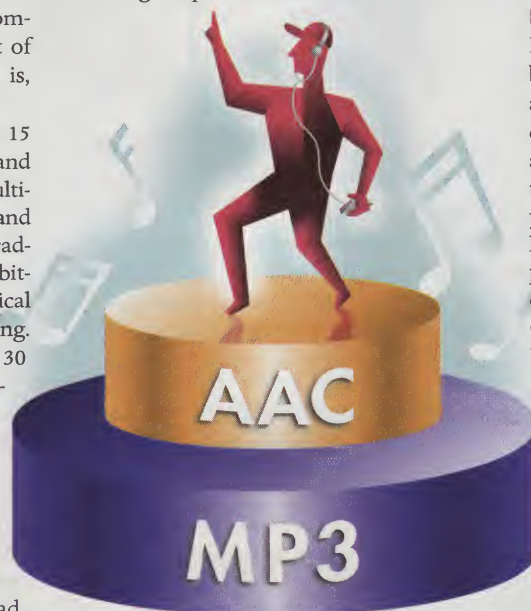
AAC, part of the MPEG-2 system, was previously referred to as NBC (non-backward-compatible), because it's not backward compatible with MPEG-1 audio formats. Another audio format, MPEG-2 Multi-channel, or MPEG-2 BC (backward compatible), is backward compatible with MPEG-1. NBC is better for high-quality music compression. I'm not certain what the point of backward compatibility with MPEG-1 is, anyway.

AAC can include 48 audio channels, 15 low-frequency enhancement channels, and 15 embedded data streams. It also has multi-language capability. When used to code and decode simple recordings such as those traded on MP3 systems, experts say a 96kbps bit-rate AAC recording is equivalent to a typical 128kbps to 160kbps bit-rate MP3 recording. This means the songs can be compressed 30 percent more and sound as good as or better than MP3. This is not insignificant. Plus, the technologies AAC employs are more advanced than MP3's.

In November 1997, AT&T became the first to commercialize AAC when it rolled out its A2B Music Web site (www.a2bmusic.com). Four years later, you can still go to A2B Music to download free songs and an AAC player. Yet most people have still never heard of AAC. AT&T altered its system enough to make it a secure distribution medium, which means it encrypted the files in such a way

that the AAC stream isn't fully MPEG-2 AAC-compliant. About this time, students in Germany and elsewhere began popularizing the MP3 format, and trading Web sites began cropping up. AAC was simply ignored.

MP3 was also operating as a gray-market product, and its users were ignoring the licensing requirements. This boosted its



popularity, but now that its licensor, Fraunhofer IIS-A of Germany, is imposing stiff licensing fees, the freeloaders are looking for help from a new public open-source

compression scheme called Ogg Vorbis. Its chances are slim. Besides, it's eventually the commercial entities that end up paying the fees.

Until recently, AAC wasn't consolidated enough for any single licensing body to manage the agreements. Management responsibilities were finally handed over to Dolby Labs last year. Within the past few months, Panasonic and Toshiba have come out with devices that play both MP3 and AAC files.

The license fees for AAC are similar to those for MP3. Between the two, AAC should prevail. It has characteristics that allow it to be used for rights management and secure downloads, but these features aren't absolute. You can still encode an AAC file from your CD and swap the file with a friend over the Internet.

You can get an AAC player from a number of sites. Although it's not advertised as such on the home page, the newest player from Liquid Audio is an AAC player. Liquid Audio seems more intent on promoting itself to record companies than to the public; it refers to "FastTrack Security" rather than AAC on its home page. In the future, as AAC becomes more widely known, more players will become known as such. At press time, Microsoft was talking about adding AAC compatibility to its media player.

RIP SEARCH

Finding a player will eventually become easy, but finding a ripper or coding software to create AAC files may not. Your best bet is to purchase one of the new Rio-like players from any of the hardware vendors. They cost \$250 to \$400, but they include software that lets you rip your CDs into AAC files for downloading to the player. The ones I've seen that play AAC files use the new and mostly proprietary SD Memory Cards, which resemble CompactFlash memory cards, but smaller. Use of this format is another drawback, although I suspect players that use standard CompactFlash or SmartMedia will soon emerge.

AAC may not emerge as the audio-compression standard of the 21st century, and MP3 may continue to flourish due to nothing more than momentum. In the technology game, the best doesn't always win. It's even possible something newer could leapfrog AAC before it gets a foothold. But whatever happens, right now AAC is the technology of choice—if you have a choice.

dvorak@dvorak.org

JIM
O'BRIEN

< ACTIVE LINKS >

www.carparts.com	Shop for car parts and accessories
www.lcarumba.com	Advice on car care
www.mobiletoys.com	Mobile gadgets
www.wrenchhead.com	More accessories

Online Car Buyers Are Driving Blind

Car-buying sites need to offer real prices on real inventory.

I'M AN ANOMALY AMONG CAR BUYERS BECAUSE I BOUGHT MY first car through Autobytel.com instead of haggling at a dealership. The process took about two weeks. The second time around, however, I needed a car in a week. After waiting two days for a return call from a CarsDirect.com rep, who was unsure how long it would take to find the car I wanted, I decided to go to a traditional dealership. A model closely matching what I wanted was

ready for pickup in time for the weekend at a slight premium over the CarsDirect price.

DIRECT-SALE DETOURS

I don't fault CarsDirect for failing to meet my tight deadline, but my experience may provide some insight into why online car-buying services are faltering. Unlike computers, which direct manufacturers such as Dell can custom-build and ship within a known period of time, car buying is still hostage to an ancient inventory system that seems to create gluts of models consumers don't want, and shortages of the ones they do.

Some analysts and automakers say the industry needs to create a better "locate-to-order" system before it can tackle build-to-order. But solutions have been hard to come by. Neither online referral services nor independent direct-sales services can tell you online whether a specific vehicle is available because franchise laws prohibit them from taking ownership of inventory. Instead, services such as CarsDirect simply broker sales with participating dealers that agree up front to a specific price for each configuration. A CarsDirect sales rep still has to locate the car, and this could take time.

CarsDirect's recent purchase of car-buying site Greenlight.com should increase the likelihood that the car you want will be in stock because it expanded its dealer network to 3,000 in 40 states. The company says the call-back time is now often hours, not days, and five days for delivery is typical.

Things didn't work out as well for some other online car-buying sites. MSN CarPoint's DriveOff.com brokering business closed its doors in February. And CarOrder abandoned

the broker model in January to become a true online dealer by buying franchises in California. The service now sells only from these dealers' inventories.



WHAT'S ON THE LOT?

What may have done in these services is the lack of a real-time inventory system similar to the Sabre system the travel industry uses to check flight availability. "The matchmaker model will ultimately succeed," says Chris Denove, a partner at J.D. Power and Associates. "Consumers plug in the exact vehicle they want to purchase, and the Internet service finds the closest matching vehicles and the price."

Another problem is that more than 60 percent of manufacturer pricing data on car-buying sites contains errors of varying degrees, according to Art Spinella, president of CNW Marketing Research. Until a real-time inventory system is in place, automakers and large cross-brand dealers such as AutoNation (www.autonation.com) have an advantage because they know where their cars are and

have access to all the regional pricing. At press time, Ford was running its FordDirect pilot (www.forddirect.com) in New Jersey, through which it offered fixed "ePrices" online from local dealers on specific configurations that approximate prospective buyers' choices. General Motors made a similar move with GM BuyPower (www.gmbuypower.com) late last year in Minneapolis and St. Paul.

But, says Denove, "the disadvantage is automakers must work not only with the consent of their dealers but with the enthusiastic consent of their dealers." As any car buyer who's walked into a dealership with a stack of Web printouts can tell you, dealers are wary of the Internet.

Consumers share the same wariness of dealers, which is why GM CEO Rick Wagoner urged dealers to support a venture it's calling AutoCentric JV, which would let consumers buy both GM and non-GM cars.

THE USED-CAR MODEL

Ironically, the most radical approach to locate-to-order direct sales online has been taken by used-car seller iMotors (www.imotors.com). Freed from franchise laws related to new-car sales, iMotors can purchase used cars from the same sources as dealers. But it won't buy a car until it receives an order and a \$250 deposit. It doesn't guarantee it can find the car, but it provides an up-front price it claims is typically "hundreds to thousands of dollars below Kelley Blue Book retail."

If it finds the car, it brings it to one of its inspection centers around the country for a 269-point inspection and reconditioning. You pick up the car in any of 32 cities with an iMotors warehouse, and get a three-month, 3,000-mile warranty plus a seven-day/700-mile money-back test period.

iMotors also offers guaranteed 14-day turnaround on hundreds of popular configurations through its Express service. This represents a marked improvement over the traditional used-car process, and even goes beyond what new-car services can provide in the current environment.

Which brings me to the real point: Low prices and quick turnaround are just the trappings of online car buying. Fundamental change will occur only when the selling process molds to consumer needs, rather than vice versa. jobrien_eshopper@mail.com

ILLUSTRATION BY MATT FOSTER

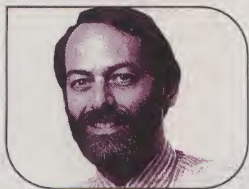


There's no good time for uninvited guests.

When you're on the Internet, you never know who's going to drop in. Sooner or later a virus or hacker could sneak in and make a real mess of things. But with VirusScan and Firewall you can keep those varmints away from your home computer, laptop or even PDA. All at a price you can live with. So get McAfee total protection today. Visit us at www.mcafee-at-home.com or your local retailer. Because you never know who might stop by tomorrow.

©2001 Networks Associates Technology, Inc. All Rights Reserved. McAfee and VirusScan are registered trademarks of Network Associates, Inc. and/or its affiliates in the US and/or other countries. All other trademarks are the sole property of their respective owners.

McAfee
Total Protection For Your PC

**MICHAEL
SLATER**

P2P May Rise In Napster's Wake

The days of free music may soon be over, but peer-to-peer file swapping could be the next big thing.

PEER-TO-PEER (P2P) CONTENT DISTRIBUTION MAY BE the biggest fad to hit computing since the explosion of the Web. Popularized by the infamous Napster, P2P file sharing lets users' PCs act as Internet file servers.

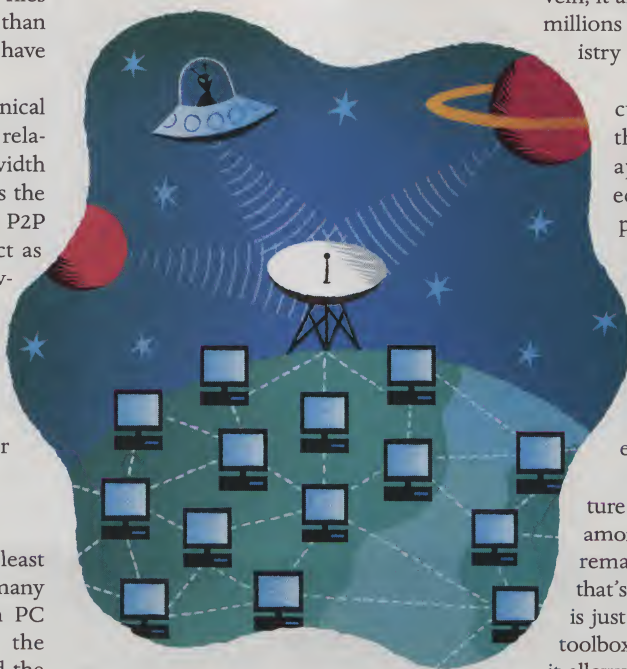
In Napster's case, the music-sharing service provides only a directory. Someone looking for a particular file would search the service's directory, then Napster would simply provide a pointer that lets the seeker load the file directly from the source PC at no charge. Because most of these files were copyrighted songs, the record companies were successful in challenging the site's legality. Even though Napster's servers never touched the copyrighted files, the directory gave Napster enough information to be pretty sure the files listed were copyrighted. Users would have been better off if the files were stored on Napster's servers rather than on users' PCs. That, however, would have been too blatant a copyright violation.

Legal issues aside, Napster's technical advantage was that its servers required relatively little storage and far less bandwidth than if it hosted the files locally. This is the enduring advantage of P2P file sharing. P2P lets all the computers on a network act as one massive file server, potentially delivering the cumulative storage and bandwidth of all the PCs on the network. This can be especially useful for distributing huge multimedia files to large numbers of users; each PC that receives the file can act as a server for additional PCs.

P2P POSSIBILITIES

The problem with P2P file sharing, at least for consumers, is there just aren't that many files people want to share. Plus, each PC must remain on and connected to the Internet for its files to be available, and the transfer speed is dictated by the speed of the source PC. With the free exchange of copyrighted material no longer a totally legal option, it's unclear how important P2P file sharing will be for consumers. It could, how-

ever, give rise to some valuable business applications, from enabling business partners to streamline their joint business processes, to allowing companies to distribute video information to many employees quickly and without massive server bandwidth.



P2P technology could also apply to any interaction where one user gets information directly from another user's computer, without explicitly accessing the Web. A central server may act as an intermediary, in which

case the interaction isn't technically P2P. The server can store information in transit, so the sending and receiving computers don't have to be on and connected at the same time. E-mail is today's primary example of this kind of interaction. In the future, we'll see many other uses of this approach, which is sometimes called asynchronous, or mediated, P2P.

Another major application of P2P technology is the sharing of computing resources rather than files, an approach more accurately called distributed computing. The best-known example of this is SETI@home, an initiative to analyze a massive body of data collected by the Arecibo radio telescope to search for signs of extraterrestrial life. The data set was sliced up into manageable chunks users could download along with the analysis code so their PCs could analyze it. Although the effort didn't find any signs of intelligent life (extraterrestrial, that is), it did manage to enlist more than 2 million PCs in the cause.

United Devices, a startup seeking to commercialize this technology, has contracted with Exodus Communications, a major Internet hosting company, to use the network of consumers' PCs to perform Web-site stress testing. More in the SETI@home vein, it also has a project under way to enlist millions of PCs in a computational chemistry effort to search for a cancer cure.

The SETI@home and cancer-cure efforts are essentially philanthropic causes that have a natural appeal. But will consumers be equally willing to offer their computers in the service of Exodus' for-profit enterprise? I doubt it. And if United Devices were to offer even a few dollars in compensation—hardly a major motivator—it would cost the company many millions of dollars, putting the potential profitability of the enterprise in question.

The Internet provides an infrastructure that enables direct communication among computers on a global level—a remarkable technical accomplishment that's at the heart of P2P. Ultimately, P2P is just another set of tools in the Internet toolbox. But the extreme degree of sharing it allows could raise social, ethical, and business issues beyond what we've already seen with the shutting down of Napster. It's these issues, rather than the technical ones, that will be instrumental in determining P2P's future.

michael@mslater.com

You don't just get a box...



You also get a team of dedicated people.



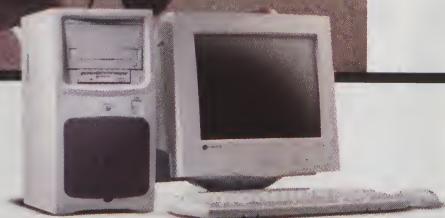
"You've got a friend in the business."[®]

You get the right solution for ***your*** business.



"My last customer called me hoping to save her business some money. I showed her how our network design, installation and support services could also save her something more valuable...time."

Stacy Ybarra — Employee since 2000
On his commitment to business solutions.



Powerful desktop for your most demanding applications.

Gateway Professional™ V933 Desktop

- Intel® Pentium® III Processor 933MHz
 - 128MB SDRAM
 - LE500 Monitor (13.8" viewable)
 - Integrated AGP Graphics
 - Integrated 10/100 Ethernet
 - Integrated Business Audio
 - Micro Tower Case
 - Microsoft® Windows 98 Second Edition
- \$999 or \$35 per mo./36 mos. business lease¹**

CD-Rewritable Upgrade Package

- Philips® 12X CD-RW Drive • 56K² PC modem
- \$190**

Online Training Subscription³ \$99



Feature rich, light-weight portable.

Gateway Solo® 5300 XL

- Intel® Pentium® III Processor 650MHZ featuring Intel® SpeedStep™ Technology
 - 14.1" XGA TFT Color Display
 - 128MB SDRAM (expandable to 512MB)
 - 10 GB Hard Drive
 - Modular Floppy Disc Drive
 - Lithium Ion Battery
 - MS® Windows® 98SE
 - 1-Year Limited Warranty⁴
 - 1.38" Thin
 - 4.93 lbs⁵
 - Modular CD-ROM Drive
- \$1599 or \$56 per mo./36 mos. business lease¹**

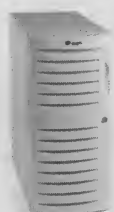
Critical Loaner Service

Rapid access to a loaner notebook from any Gateway Country service center.
\$79 for the 1st year

Gateway recommends Microsoft® Windows® Professional for business.

1. Leasing provided by independent leasing companies to qualified commercial customers. Lease terms subject to change without notice or obligation. 2. Maximum data transfer rate dependent upon variables including particular modems with which you are communicating, telephone lines, communications software and communications protocols. 3. On-line training: Instructor-led courses subject to availability, and students may be required to purchase course materials for certain courses. Customers need Internet access to use this service, and Gateway is not responsible for any connection charges. Gateway Country training: Passes are not transferable. No refunds are allowed for Upgrade Passes. Training available at participating Gateway Country locations. Courses listed may not be available in all locations. All training: Prices and courses subject to change without notice. Prices exclude shipping and handling and tax. Gateway training is not offered as vocational or job training. 4. Visit gateway.com, call 1-800-846-2000 or write to Gateway Terms & Conditions, P.O. Box 1951, North Sioux City, SD 57049-1951 for a free copy of applicable limited warranties and service agreements. Services may be provided by third parties. An authorized representative will determine the

In Gateway country, we know that the PC is only the beginning. You can count on your Gateway business advisor to provide you with a complete business solution — including network services, training and powerful PCs featuring the Intel® Pentium® III processor. We'll assess your needs and help you get the services and support you need to keep your business running. After all, our biggest job is to help you do your job better. *Call or come into a Gateway Country® store today.*



Reliable server for all your mission-critical applications.

Gateway™ 6400 Server

- Intel Pentium III Processor 800MHz with 256K L2 Cache (supports up to 2 Processors)
 - 133MHz Front-Side Bus Support & 64-Bit PCI I/O Technology
 - 128MB PC133 ECC SDRAM (expandable to 2GB)
 - 9GB Ultra 160 SCSI (7200rpm) Hard Drive
 - 9-Bay Minitower with 7 PCI (2 64-bit and 5 32-bit) Expansion Slots
 - Integrated Motherboard with Dual Channel Ultra 160 SCSI, 10/100 Ethernet & PCI Graphics
 - HP® OpenView™ ManageX Event Manager
 - 3-Year Limited Warranty⁴
 - 3-Year On-site Service⁴
 - FCC Class A Emissions Standard⁶
- ¹\$1299 or ⁴\$45 per mo./36 mos. business lease¹

Gateway Networking Solutions

If you need help installing a new network or upgrading an existing one, Gateway will send a certified engineer to visit your business, to assess your needs and develop a solution just for you.

Gateway Customized Business Technology Support

We'll take the time to make sure your company gets the support it needs. Whether it's diagnostic and repair tools online, 24/7 tech support, 3-year limited warranty⁴ and finance options, Gateway has a custom solution for your unique business.

Gateway Training

Gateway offers a variety of courses to sharpen skills, expand knowledge and boost productivity with four comprehensive training options tailored to your needs. Train in the classroom, at your business, online or via CD-ROM.³

- Business End Users — 250 courses
- Business Managers — 475 courses
- IT Professionals — 50 courses
- Workplace Safety — 35 courses

method of service provided. You may be required to take or send your product to an authorized location for service. If you purchased on-site service, it will be provided only if an authorized representative determines it is necessary because your problem cannot be corrected through other means. On-site service is not available in all locations and excludes mice, keyboards, docking stations, external peripherals and monitors. See agreements for specific terms and limitations. 5. Weight includes battery; weight will vary due to vendor components, manufacturing process and options. 6. FCC Class A products may not be sold for home use.



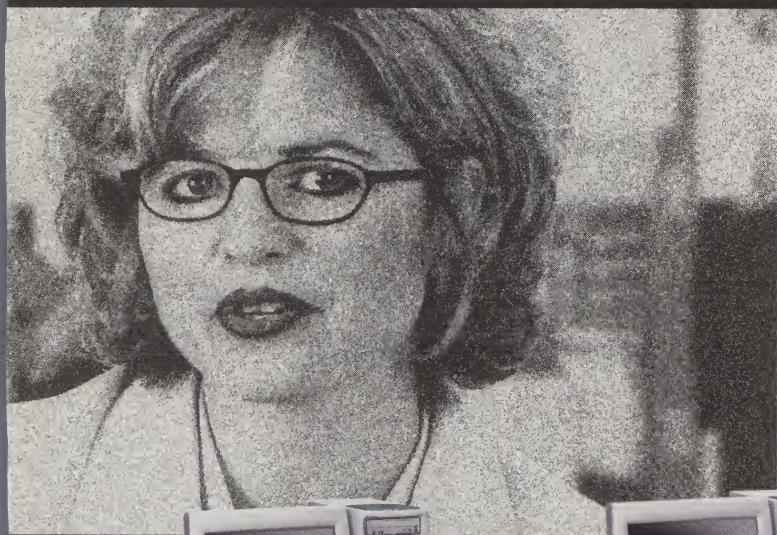
"You've got a friend in the business."®

Visit a Gateway Country store

www.gateway.com

For Business: 1-888-236-3389

You get a dedicated *team* of professionals.



"I could walk into production and say, 'I promised a customer my firstborn their computer would be on a truck that night!' And they'd say, 'It's done.'"

Mo Thompson — Employee since 1989
On her commitment to service



More power, big monitor, great value.

Gateway Performance™ 1000Cse

- Intel Pentium® III Processor 1GHz (1000Mhz)
- 128MB 133MHz SDRAM Memory
- EV700 17" Monitor (15.9" viewable)
- Intel 3D Graphics
- 20GB Ultra ATA Drive
- Recordable/Rewritable CD-ROM Drive
- Boston Acoustics® BA265™ Speakers
- Home Networking/56K Modem Combo Card
- Microsoft® Works Suite 2001
- 3-Year Limited Warranty²
- 1-Year America Online® Internet Access⁴ (new members only)

\$1199 or as low as **\$34** a month⁵
(14.9% APR) for 48 mos.



Powerful and fast, for demanding applications and exciting multimedia.

Gateway Performance™ 1300 Cse

- Intel Pentium® 4 Processor 1.3GHz (1300MHz)
- 128MB RDRAM Memory
- EV700 17" Monitor (15.9" viewable)
- 16MB NVIDIA™ AGP Graphics
- 20GB Ultra ATA Drive
- 48X CD-ROM Drive
- Boston Acoustics BA265 Speakers
- Home Networking/56K Modem Combo Card
- Microsoft Works Suite 2001
- 3-Year Limited Warranty²
- 1-Year America Online Internet Access⁴ (new members only)

\$1499 or as low as **\$42** a month⁵
(14.9% APR) for 48 mos.



Slick space saving design lets you be stylish without giving up power.

Gateway Profile™ 3 CX

- 15" XGA TFT Color Display
- Intel Pentium III Processor 933MHz
- 128MB SDRAM
- 8X DVD-ROM Drive & 3.5" Diskette Drive
- 20GB Ultra ATA Hard Drive
- Stereo Audio & Integrated Speakers
- Microsoft Works Suite 2001
- 1-Year Limited Warranty²

\$1999 or as low as **\$56** a month⁵
(14.9% APR) for 48 months

Gateway Cyber:)Ware™ package

- Training Course, "Getting Started Using Windows® Me Your Way"³
 - Training Course, "Surfing the Web Using Email with America Online Your Way"³
 - One-year Online Training Subscription³
 - Getting Started Guide
- \$179** (Savings of **\$118**)⁶

Includes Windows Millennium Edition, the home version of the world's favorite software.

1. Maximum data transfer rate dependent upon variables including particular modems with which you are communicating, telephone lines, communications software and communications protocols. 2. Visit gateway.com, call 1-800-846-2000 or write to Gateway Terms & Conditions, P.O. Box 1951, North Sioux City, SD 57049-1951 for a free copy of applicable limited warranties and service agreements. 4. TO AVOID BEING CHARGED A MONTHLY FEE, CANCEL BEFORE ONE-YEAR PERIOD ENDS. One-year period begins 30 days from receipt of system. You may incur surcharges even during promotional period for premium services, or long distance charges on your phone bill, depending on location and calling plan. Communication surcharges may also apply with some access numbers and in AK. Non-local access via 1-888# 10¢ per minute. New U.S. members 18 and older only. Major credit card or checking account required and will be provided to AOL at registration. Use may be limited, especially

In Gateway country, you don't just get a kickin' Intel® processor-powered PC. You get a whole team of people who are excited about making you happy. So when you come to Gateway, you'll meet sales and service professionals who know everything about computers. And you'll find that they want to know everything about your computer needs too, so they can put together the best technology package at the best value that's just right for you. No matter what it takes.

OK, you may not get Mo's firstborn child, but you'll be satisfied with your experience. Count on it.



This unique stylish design is affordable and easy to use.

Solo® 1150CL

- 12.1" TFT Color Display
- Intel Celeron™ Processor 650MHz
- 64MB SDRAM (Expandable to 192MB)
- Integrated 24X Max/10X Min CD-ROM Drive
- 6GB Ultra ATA Hard Drive
- Microsoft Works Suite 2001
- 1-Year Limited Warranty²
- 1-Year America Online Internet Access⁴ (new members only)

\$1199 or as low as **\$34** a month⁵
(14.9% APR) for 48 months

Value Pack — Beginner Edition

- Learning Library for Works Suite • Getting Started w/ Windows Your Way Training³
- Home Activity Collection • Internet Training Subscription³ • 8T2 Surge Protector

\$250 (Savings of **\$185**)⁶



This versatile notebook is road-ready for a wide range of uses. It's exceptional.

Solo 9500CL

- 15" XGA TFT Color Display
- Intel Pentium III Processor 800MHz
- 128MB SDRAM (Expandable to 512MB)
- Modular 8X DVD-ROM Drive
- 10GB Ultra ATA Hard Drive
- Microsoft Works Suite 2001
- 1-Year Limited Warranty²
- 1-Year America Online Internet Access⁴ (new members only)

\$2299 or as low as **\$64** a month⁵
(14.9% APR) for 48 months



"You've got a friend in the business."®

Visit a Gateway Country® store

www.gateway.com

For home: 1-800-555-2078

during peak usage. For details and access numbers call 1-800-846-2000. 5. Payment based on 48/mos. 14.9% APR for qualified customers. Max APR 28.99%. Not all customers will qualify. Excludes shipping & handling and taxes. MINIMUM FINANCE CHARGE \$1.00. 6. Savings based on total cost of individual components if purchased separately.

You can do *More* with your PC, and we'll show you how.

In Gateway country, you'll find a terrific assortment of peripherals, and software – all specially packaged to be compatible with Gateway™ systems. Try out one of our all-in-one packages and confidently master whatever interests you.

Specially packaged for small businesses

Solo® Coverage Plus

- 3-year Accidental Damage Protection Upgrade
- 3-Year Parts and Labor Limited Warranty Upgrade¹
- Online Training Subscription³

\$249 (savings of **\$109**)²

Microsoft® Office Productivity Pack 1.0

- Upgrade Microsoft® Office Small Business Edition to Professional
- Online Training Subscription³

\$219 (savings of **\$79**)²

Solo Docking Pack 2.0

- Port Replicator 5300/9300
- Kensington® Lock
- Keyboard
- Mouse

\$199 (savings of **\$32**)²



Specially packaged for home

Certain packages not available with all PCs ask for details.

Gateway Photo:)Ware™ package Digital Photo Workshop

- Fuji® FinePix™ 1300 Digital Camera
- Corel Print House™ Magic, Corel Print Office™ and CorelDraw™ 10 Software
- Photo-quality paper
- Training Course: "Using Your PC to Explore Digital Photography Your Way"³
- Getting Started Guide

\$499 (savings of **\$103**)²

Gateway Music:)Ware™ package Digital Audio Creator Pack

- Nomad® II Digital Player
- MusicMatch® Jukebox™ Plus – the award winning all-in-one Digital Audio Jukebox
- Training Course: "Using Your PC to Explore Digital Music Your Way"³
- Getting Started Guide

\$259 (savings of **\$69**)²

Gateway Video:)Ware™ package Intermediate Digital Video Package

- Dazzle™ Digital Video Connector
- MGI® VideoWave 4.0 Software
- Training Course: "Using Your PC to Explore Digital Video Editing Your Way"³
- Getting Started Guide

\$300 (savings of **\$143**)²

Gateway Money:)Ware™ package

- Quicken® 2001 Deluxe
- TurboTax® Deluxe Mail-in Coupon
- Quicken Family Lawyer 2001 "Managing Your Finances Using Quicken Suite," through the Gateway Country store.
- One Half-day Instructor-Led course
- Getting Started Guide³

\$129 (savings of **\$69**)²



Software

Family Favorites

- Roller Coaster Tycoon
- Roller Coaster Tycoon Loopy Landscapes™
- Majesty™
- Battleship® II
- 3D Ultra™ Radio Control Racers Deluxe: Traxxas Edition
- 3D Ultra Pinball™: Thrill Ride

\$99 (savings of **\$71**)²



"You've got a friend in the business."®



Visit a Gateway Country® store

www.gateway.com

For Home: 1-800-555-2078

For Business: 1-888-236-3389

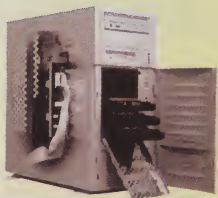
Gateway En Español 1-800-555-2052

© 2001 Gateway, Inc. All rights reserved. Gateway, Solo, the Gateway stylized logo, the black and white spot design and "You've got a friend in the business" are trademarks or registered trademarks of Gateway, Inc. in U.S. and other countries. Gateway Direct L.P., Gateway.com L.P. and Gateway Country stores LLC are separate legal entities. Intel, the Intel Inside logo, and Pentium are registered trademarks and Intel SpeedStep and Celeron are trademarks of Intel Corporation in the United States and other countries. Prices and configurations subject to change without notice or obligation. Prices exclude shipping and handling and taxes. Software pictured here is represented by packaging for easier viewing. You will receive the actual software on CD. 1. Visit gateway.com, call 1-800-846-2000 or write to Gateway Terms & Conditions, P.O. Box 1951, North Sioux City, SD 57049-1951 for a free copy of applicable limited warranties and service agreements. 2. Savings based on total cost of individual components if purchased separately.

Ad code 005409



MicroProGov
Contract #:
GS-35F-0448J
Check us out!



NetForce T866Xi

866MHz

Intel®Pentium-III™processor

\$2599

*Business Lease as low as \$93.00

Intel® 866MHz Pentium-III processor
Intel® STL2 DUAL processor server board
Intel SC5000 Hudson server chassis
256MB 100MHz SDRAM Memory
27.3GB Three (3) 9.1GB Ultra-160 SCSI HDs
ADAPTEC 2100S Raid 5 Controller 32MB RAM
40X Max SCSI CD-ROM, 3.5" Floppy Drive
Five Hot-Swap SCSI drive bays
Integrated Dual Channel (1) Ultra-160
Intel® EtherExpress PRO/100+ LAN Controller
On-board PCI 2MB Video Adapter
External 56K v.90 Fax/Modem (for remote diagnostics)
104-key PS/2 Keyboard & PS/2 Mouse
3-year parts, 3-year on-site warranty
MS Windows 2000 Server (5-user), add \$799

NetForce ISP2900



1GHz

Intel®Pentium-III™processor

\$1739

*Business Lease as low as \$68.00

Slim 1U 19" Rack optimized Server
SuperMicro SuperServer 6010L
Dual Processor Capable
128MB 133MHz ECC SDRAM Memory
9.1GB Ultra-160 SCSI Hard Drive
24X Max Slim EIDE CD-ROM, 3.5" Floppy Drive
Integrated DUAL NIC / Ultra-160 SCSI Controller
104-key PS/2 Keyboard & PS/2 Mouse
3-year parts, 3-year on-site warranty
MS Windows 2000 Server (5-user), add \$799

NetForce ISP2993



933MHz

Intel®Pentium-III™processor

\$1359

*Business Lease as low as \$53.00

Slim 1U 19" Rack optimized Server
SuperMicro SuperServer 5010E
128MB 133MHz ECC SDRAM Memory
60.4GB IDE Hard Drive
24X Max Slim EIDE CD-ROM, 3.5" Floppy Drive
Integrated 2 10/100 NIC Cards
104-key PS/2 Keyboard & PS/2 Mouse
3-year parts, 3-year on-site warranty
MS Windows 2000 Server (5-user), add \$799

Microsoft OEM System Builder Program

MEMBER 2001

*MICRO SYSTEMS INCLUDE:

- MS Windows ME & Internet Explorer 5.0
- 104-key PS/2 Keyboard & PS/2 Mouse
- McAfee Virus Scan for MS Windows
- COREL WordPerfect Suite2000, and 155 CD Titles w/Encyclopedia
- 3 YEARS Limited Parts & Labor Warranty

UPGRADE OPTIONS

USB Digital Video Camera	29
Iomega 100MB ZIP Drive Int. IDE	45
Iomega 250MB ZIP Drive Int. IDE	85
3COM 32-bit 10/100 Network Card	59
36-bit Color FlatBed USB Scanner	59
MS Office®2000 Small Business Edition ..	175
MS Office®2000 Professional Edition	299
MS Home Productivity Bundle	45

*Constellation 9200

1.4GHz Intel® Pentium-4 processor
Intel® 850 chipset w/400MHz FSB
256MB RDRAM (Rambus) Memory
60GB Ultra100 IDE 7200RPM Hard Drive
32MB nVIDIA GeForce-2 Pro AGP Card
16X IDE DVD-ROM Drive, 3.5" Floppy Drive
USR v.90 56K PCI WinModem
Creative Labs Sound Blaster Live 5.1
Deluxe ATX Tower Case 300W P.S.
Altec Lansing ACS-54 sound system
19" .26 N.I. Digital Monitor

Intel®Pentium-4™
1.3GHz \$2089
1.5GHz \$2359

1.4GHz
\$2169

*Business Lease as low as \$84.00

*Regata 7900MP

2 Universal Serial Bus (USB) Ports
128MB DDR PC2100 266MHz Mem
60GB Ultra100 IDE Hard Drive
64MB nVIDIA GeForce-2 MX
AGP Graphics Card
16X IDE DVD-ROM Drive, 3.5" Floppy Drive
USR v.90 56K PCI WinModem
Creative Labs Sound Blaster Live! Value
Deluxe ATX Tower Case
Altec Lansing ACS-54 sound system
19" .26 N.I. Digital Monitor

AMD Athlon K-7 w/3DNOW Technology
1GHz \$1439
1.13GHz \$1459
1.2GHz \$1499
1.3GHz \$1529
1.4GHz \$1599

*Business Lease as low as \$61.00

*Caledon 3515CP

128KB Internal L2 cache
2 Universal Serial Bus (USB) Ports
64MB 100MHz SDRAM Memory
30.4GB Ultra66 IDE Hard Drive
56X IDE CD-ROM Drive
3.5" Floppy Drive
32MB nVIDIA TNT-2 2X AGP Graphics Card
PCI 3D wavetable Stereo Sound
56K PCI v.90 Fax/Modem w/Voice
Deluxe Micro ATX Tower Case
Stereo Microphone and 240W speakers
15" .28 N.I. Digital Monitor

Intel®Celeron™
733MHz \$769
766MHz \$799
800MHz \$859

*Business Lease as low as \$40.00

*Caledon 7900MP

2 Universal Serial Bus (USB) Ports
64MB 100MHz SDRAM Memory
20.4GB Ultra66 IDE Hard Drive
Integrated Savage4 2D/3D Video
Accelerator (shared video memory)
52X Max IDE CD-ROM Drive
3.5" Floppy Drive
PCI 3D wavetable Stereo Sound
56K PCI v.90 Fax/Modem w/Voice
Stereo Microphone and 240W Speakers
Deluxe Micro ATX Tower Case
15" .28 N.I. Digital Monitor

AMD Duron K-7 w/3DNOW Technology
750MHz \$669
800MHz \$689
850MHz \$709
900MHz \$739

*Business Lease as low as \$61.00



*Constellation 9140

1.3GHz Intel® Pentium-4 processor
Intel® 850 chipset w/400MHz FSB
128MB RDRAM (Rambus) Memory
40GB Ultra100 IDE 7200RPM Hard Drive
32MB nVIDIA GeForce-2 MX AGP Card
12X IDE DVD-ROM Drive, 3.5" Floppy Drive
USR v.90 56K PCI WinModem
Creative Labs Sound Blaster Live! Value
Deluxe ATX Tower Case 300W P.S.
Altec Lansing ACS-45.2 sound system
17" .26 N.I. Digital Monitor

Intel®Pentium-4™
1.4GHz \$1599
1.5GHz \$1799

1.3GHz
\$1499

*Business Lease as low as \$58.00



MINDSTROM G3

*G3-A266

1.4GHz

AMD Athlon w/Enhanced 3DNOW Technology

\$2199

900MHz AMD Athlon K-7 1999
1 GHz AMD Athlon K-7 2079
1.2 GHz AMD Athlon K-7 2139
1.3 GHz AMD Athlon K-7 2159

- 256MB 133MHz SDRAM Memory
- 80.0GB Ultra100 IDE Hard Drive
- NEW! 64MB NVIDIA GeForce-3 AGP Graphics Card
- 16X IDE DVD-ROM Drive
- 3.5" Floppy Drive
- 12x10x32 CD-RW Internal IDE Drive
- USR v.90 56K PCI WinModem
- Creative Labs Sound Blaster Live Platinum 5.1
- Deluxe ATX Tower Case
- Creative Labs Desktop Theater 5.1 DTT2200
- 19" .26 NI Digital Monitor

Everything you need...to succeed

800-762-4426

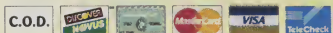
UNLIMITED TOLL FREE TECHNICAL SUPPORT 800.809.6483

Local & International • (216) 661-7218 • Fax: (216) 661-2454

HOURS: Mon-Fri 9 am-7 pm • Saturday 10 am-5pm (est)

All prices and specifications are subject to change without notice. RMA Number required on all returns. RMA's shipped prepaid. All Products must be returned in resalable condition including all original packaging. Micro Pro Inc. is not responsible for typographical errors. Prior sales excluded. Shipping charges, opened software and custom configured systems are non-refundable. On-site service is a non-refundable option. Absolutely no refunds for merchandise returned after 30 days. The Intel Inside Logo, Intel, Pentium and OverDrive are trademarks or registered trademarks of Intel Corporation. Windows is a registered trademark of Microsoft Corporation in the U.S. and other countries. All products and company names are trademarks or registered trademarks of their respective owners.

MAY 2001 COMPUTER SHOPPER. All prices subject to change without notice. Previous Sales Excluded.



PC Mall The Be Call for the Be



Monitor sold separately.

COMPAQ

600MHz

Intel® Celeron™ processor
64MB RAM, 10GB Hard Drive
48X CD-ROM, Windows 95/98

\$569

Deskpro EX Desktop

#952740

COMPAQ



750MHz

AMD Duron™ processor
64MB RAM, 30GB Hard Drive
40X CD-ROM, 56K modem
Windows Me

\$649

Presario 5000US
#956091

Monitor and speakers sold separately.

High Performance Desktop



533MHz

Intel® Celeron™ processor, 64MB RAM
4.3GB HD, 40X CD-ROM
56K Modem
Windows 98

\$499

Brio BA210 #951318
Monitor sold separately.



SONY 800MHz

AMD Duron™ processor
64MB RAM, 30GB HD
CD-RW, 56K Modem
10/100 NIC
Windows Me

\$799

PCV-J150 #956038
Monitor and speakers sold separately.



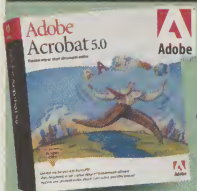
850MHz

AMD Athlon™ processor
128MB RAM, 45GB HD
8X DVD, CD-RW

\$829

Pavilion 8756C #954818
Mfr. Reconditioned.
Monitor and speakers sold separately.

Hot NEW Software!

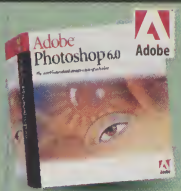


Adobe® Acrobat 5.0

New Version

\$87.99

#957481

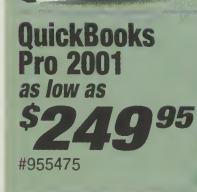


Adobe® Photoshop 6.0

Upgrade only

\$178.99

#951611 Upgrade



QuickBooks Pro 2001
as low as

\$249.95

#955475



QUARK

Quark 4.1
as low as

\$767.99

#55402



Office 2000 Pro

as low as

\$269.99

#45134

After mfr. mail-in rebate.

Microsoft



Project 2000

as low as

\$419.89

#814013

Microsoft

Networking Solutions!

SuperStack 3 3300 Switch

12 10/100 ports for fast network access.



\$1,095.99

#875532

SMC



Wireless Cable DSL Router

w/4 10/100 ports

\$319.99

#852383

Complete Wireless Networking for less!



#851968 Wireless Access Point **\$259.99**

#851969 Wireless PCI Adapter **\$42.99**

#851970 Wireless PC Card **\$129.99**

CISCO SYSTEMS



1720 VPN Router

10/100 modular Access router

\$879.99

#812633

Call 1-800-681-3282

Fastest Overnight Delivery! Place your order as late as 10:00 p.m. EST and get it by 10:30 a.m. the next morning! **FedEx**

Best Deals! Best Prices!



800MHz

Intel® Pentium® III processor
64MB RAM, 30GB Hard Drive
48X CD/CD-RW, 56K Modem
10/100 NIC, Windows Me

\$679

Pavilion 8754C

#955871
Mfr. reconditioned.
Monitor and speakers sold separately.



We carry over 125,000
brand-name products!

Notebooks starting at \$1,597!



650MHz
Intel® Celeron™ processor
64MB RAM, 10GB Hard Drive
24X CD-ROM, 56K Modem
12.1" TFT Display
Windows 98
\$1,597
ThinkPad A21 #956464

Systems!

1GHz
Intel® Pentium® III processor
128MB RAM, 20GB Hard Drive
48X CD-ROM, 10/100 NIC
Windows 2K/NT
\$1,617
Deskpro EN Desktop #874502
Monitor sold separately.

Top Peripherals!

Fuji DLT IV
\$67⁹⁹ #86722

Rex® MicroPDA 5001
Xircom
\$46⁹⁹ #946545

UMAX
Where Technology is Headed
While supplies last!
AstraNet ia101 Scanners
\$59⁹⁹ #953303

Stylus Color 777 Printer
\$99⁹⁹ #952038
EPSON

FireWire CD-RW 16x10x40 Plextor
\$399⁹⁹ #957458
Price after mfr. mail-in rebate.

HITACHI
Hitachi CML 151 15" LCD
\$599 #852122

CM715 19" Flat Screen Monitor
\$299 #73554

Prices and specifications subject to change without notice. We do our best to be accurate but occasionally mistakes occur. We are not responsible for any typographical, photographic or technical errors. NOTE: Products and packaging depicted may differ from stock available at time of shipment; we reserve the right to substitute equivalent items. While supplies last.

Use Priority Code #ZCSH151

Servers!

Networks RaQ 4i Server Appliance
w/256MB RAM, 20.4GB HD
\$2,549⁹⁹
#849973 Limited time offer.

COMPAQ
866MHz
Intel® Pentium® III processor
128MB RAM, NIC
\$1,489
ProLiant ML350 #81445

733MHz
Intel® Pentium® III processor
128MB RAM
40X CD-ROM
\$1,369
NetServer E800 #848718

800MHz
Intel® Pentium® III processor
64MB RAM, 15GB
48X CD-ROM, NIC
No OS
\$1,099
Netfinity 1000
#852740

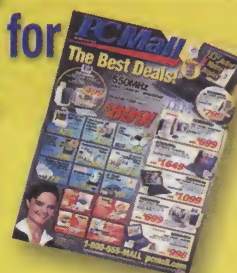
COMPAQ
600MHz
Intel® Celeron™ processor
64MB RAM, 6GB Hard Drive
6X DVD, 12.1" TFT Display
\$1,699
Presario 14XL340
#853476 Wireless Internet not included.

SONY
700MHz
Intel® Pentium® III processor
64MB RAM, 10GB Hard Drive
DVD, 10/100 NIC, 56K Modem
13.3" TFT display, Windows Me
\$1,599
PCG FX120 #955916
Price after \$100 mail-in rebate.

750MHz TOSHIBA
Intel® Pentium® III processor
128MB RAM, 20GB Hard Drive
DVD, 56K modem, 14.1" TFT Display, Windows 98
\$1,999
Satellite Pro 4600 #947759

600MHz
Intel® Pentium® III processor
128MB RAM, 20GB Hard Drive
56K V.90 modem
12.1" TFT display, Win 98
\$2,633
ThinkPad X20 #951832

Call today for
your FREE
PC Mall
catalog!



or Visit **pcmall.com**



PROVEN PERFORMANCE SOLID SELECTION

The Atlas Gamer Pro Line Power Gaming PCs with Maximum Performance

PS3000

- AMD Thunderbird/Duron Ready
- 200MHz FSB and UDMA-66 Support
- VIA KT133 PC-133 and 4X AGP Support
- 128MB PC-133 SDRAM
- 30 GB UDMA Hard Drive
- 56X CD ROM
- S3 Savage 4 3D DVD Shared AGP
- Motorola PCI 56K V.90 Voice Modem
- PCI 3D Wavetable Stereo Sound
- MLI 120W PMPO Speakers
- 300W AMD Certified Power Supply

PS6000

- AMD Thunderbird/Duron Ready
- 200MHz FSB and UDMA-100 Support
- VIA KT133 PC-133 and 4X AGP Support
- 128MB PC-133 SDRAM
- 40 GB UDMA Hard Drive
- Creative Labs 52X CD-ROM
- Nvidia GEFORCE 2 MX DVD 3D 32MB
- Motorola PCI 56K V.90 Voice Modem
- PCI 3D Wavetable Stereo Sound
- MLI 120W PMPO Speakers
- Microsoft Elite Ergonomic Keyboard
- Microsoft Intelli Mouse w/Wheel
- 300W AMD Certified Power Supply

PS8000

- AMD Thunderbird/Duron Ready
- 200MHz FSB and UDMA-100 Support
- VIA KT133 PC-133 and 4X AGP Support
- 128MB PC-133 SDRAM
- 60 GB UDMA Hard Drive
- 56X CD ROM
- Nvidia GEFORCE 2 PRO 3D Ready DVD 32MB
- US Robotics PCI 56K V.90 Voice Modem
- SoundBlaster 128V PCI 3D Wavetable
- MLI-460 450W Speakers w/Subwoofer
- 300W AMD Certified Power Supply

CERTIFIED ATHLON SYSTEM INTEGRATOR

Atlas Micro uses only AMD certified components in order to achieve maximum performance and reliability. All systems built by Atlas Micro follows a very stringent guideline set forth by AMD to maintain a consistent line of high quality products. At Atlas Micro, we do not compromise quality with lower price.

AMD Duron™ Processor at 750 MHz **\$499**

AMD Duron™ Processor	
800 MHz \$509 A1502	850 MHz \$529 A1503
900 MHz \$549 A1504	
AMD Thunderbird™ w/Enhanced Cache Processor	
900 MHz \$579 A1504	950 MHz \$599 A1506
1000MHz \$609 A1507	1100MHz \$629 A1508
1200MHz \$659 A1509	1300MHz \$679 A1510
1400MHz \$749 A1511	

AMD Duron™ Processor at 850 MHz **\$669**

AMD Duron™ Processor	
750 MHz \$639 A2501	800 MHz \$649 A2502
900 MHz \$689 A2504	
AMD Thunderbird™ w/Enhanced Cache Processor	
900 MHz \$709 A2504	950 MHz \$729 A2506
1000 MHz \$739 A2507	1100MHz \$759 A2508
1200MHz \$799 A2509	1300MHz \$819 A2510
1400MHz \$889 A2511	

AMD Thunderbird™ w/Enhanced Cache at 1.2 GHz **\$959**

AMD Duron™ Processor	
750 MHz \$809 A3501	800 MHz \$819 A3502
850 MHz \$829 A3503	900 MHz \$849 A3504
AMD Thunderbird™ w/Enhanced Cache Processor	
900 MHz \$879 A3503	950 MHz \$899 A3506
1000MHz \$909 A3507	1100MHz \$929 A3508
1300MHz \$989 A3510	1400MHz \$1,049 A3511

The Atlas Home Entertainment Line The Ultimate Multimedia PCs

AS6000

- AMD Thunderbird/Duron Ready
- 200MHz FSB and UDMA-66 Support
- VIA KT133 PC-133 and 4X AGP Support
- 128MB PC-133 SDRAM
- 30 GB UDMA Hard Drive
- 12X DVD-ROM
- S3 Savage 4 3D DVD Shared AGP
- Motorola PCI 56K V.90 Voice Modem
- PCI 3D Wavetable Stereo Sound
- MLI-460 450W Speakers w/Subwoofer
- 300W AMD Certified Power Supply

AS8000

- New AMD 760 Chipset Motherboard
- 200/266MHz FSB and UDMA-100 Support
- DDR PC1600/2100 and 4X AGP Support
- 128MB PC1600 DDR SDRAM
- 40 GB UDMA Hard Drive
- Creative Labs 12X DVD-ROM
- Nvidia GEFORCE 2 MX DVD 3D 32MB
- Motorola PCI 56K V.90 Voice Modem
- SoundBlaster 128V PCI 3D Wavetable
- MLI-460 450W Speakers w/Subwoofer
- Microsoft Intelli Mouse w/Wheel
- 300W AMD Certified Power Supply

AS9800

- New AMD 760 Chipset Motherboard
- 200/266MHz FSB and UDMA-100 Support
- DDR PC1600/2100 and 4X AGP Support
- 128MB PC2100 DDR SDRAM
- 60 GB UDMA Hard Drive
- 16X DVD-ROM
- Nvidia GEFORCE 2 PRO 3D DVD 32MB
- US Robotics PCI 56K V.90 Voice Modem
- Creative SoundBlaster Live 5.1
- Creative Labs Desktop Theater 5.1 DTT2200
- Microsoft Intelli Internet Keyboard
- Microsoft Intelli Mouse w/Wheel
- 300W AMD Certified Power Supply

AMD Duron™ Processor at 750 MHz **\$539**

AMD Duron™ Processor	
800 MHz \$549 A4502	850 MHz \$569 A4503
900 MHz \$589 A4504	
AMD Thunderbird™ w/Enhanced Cache Processor	
900 MHz \$619 A4504	950 MHz \$639 A4506
1000MHz \$649 A4507	1100MHz \$669 A4508
1200MHz \$699 A4509	1300MHz \$719 A4510
1400MHz \$789 A4511	

AMD Thunderbird™ w/Enhanced Cache at 1 GHz **\$839**

AMD Duron™ Processor	
750 MHz \$739 A5501	800 MHz \$749 A5502
850 MHz \$759 A5503	900 MHz \$789 A5504
AMD Thunderbird™ w/Enhanced Cache Processor	
900 MHz \$809 A5504	950MHz \$829 A5506
1100MHz \$859 A5508	1200MHz \$889 A5509
1300MHz \$919 A5510	1400MHz \$989 A5511

AMD Thunderbird™ w/Enhanced Cache at 1.4 GHz **\$1,349**

AMD Thunderbird™ w/Enhanced Cache Processor	
1000 (266) MHz \$1,209 A6501	
1100 (266) MHz \$1,229 A6502	
1200 (266) MHz \$1,259 A6503	
1300 (266) MHz \$1,289 A6504	

Best Buy



Editors' Choice

AS9800
PS5000
RS6000



ATLAS MICRO LOGISTIC INC.
(800) 336-6898 • www.buy-atlas.com

The Atlas Performance Line

Powerful Business PCs for your Office or Home

CS6000

- Intel Coppermine Ready Motherboard
- 133MHz FSB and UDMA-100 Support
- 128MB PC-133 SDRAM
- 30 GB UDMA-100 Hard Drive
- 56X CD ROM
- S3 Savage 4 3D DVD Shared AGP
- Motorola PCI 56K V.90 Voice Modem
- PCI 3D Wavetable Stereo Sound
- MLI 120W PMPO Speakers

Intel Celeron® Processor
at 700 MHz **\$509** \$1501

Intel Celeron® Processor	
733 MHz \$519 <small>\$1502</small>	766 MHz \$529 <small>\$1503</small>
800 MHz \$539 <small>\$1504</small>	
Intel Pentium® III Coppermine Processor	
850 MHz \$609 <small>\$1505</small>	866 MHz \$619 <small>\$1506</small>
933 MHz \$639 <small>\$1507</small>	1000MHz \$669 <small>\$1508</small>

CS9000

- New VIA PRO266 Motherboard
- 133MHz FSB and UDMA-100 Support
- DDR PC1600/2100 and 4X AGP Support
- 128MB PC1600 DDR SDRAM
- 40 GB UDMA Hard Drive
- Creative Labs 52X CD ROM
- Nvidia GeForce 2 MX DVD Ready 3D 32MB
- US Robotics PCI 56K V.90 Voice Modem
- PCI 3D Wavetable Stereo Sound
- MLI-460 450W Speakers w/Subwoofer

Pentium® III Coppermine
at 1 GHz **\$869** \$2506

Intel Celeron® Processor	
700 MHz \$709 <small>\$2501</small>	733 MHz \$719 <small>\$2502</small>
766 MHz \$729 <small>\$2503</small>	800 MHz \$749 <small>\$2504</small>
Intel Pentium® III Coppermine Processor	
850 MHz \$809 <small>\$2505</small>	866 MHz \$819 <small>\$2506</small>
933 MHz \$839 <small>\$2507</small>	

The Atlas Value Multimedia Line

Performance PCs at an affordable Price

MS8000

- Intel Coppermine Ready Motherboard
- 133MHz FSB and UDMA-100 Support
- 128MB PC-133 SDRAM
- 40 GB UDMA Hard Drive
- Creative Labs 52X CD ROM
- Nvidia RIVA TNT2 M64 DVD Ready 3D 32MB
- Motorola PCI 56K V.90 Voice Modem
- PCI 3D Wavetable Stereo Sound
- MLI 120W PMPO Speakers

Intel Celeron® Processor
at 733 MHz **\$599** \$3502

Intel Celeron® Processor	
700 MHz \$589 <small>\$3501</small>	766 MHz \$609 <small>\$3503</small>
800 MHz \$619 <small>\$3504</small>	
Intel Pentium® III Coppermine Processor	
850 MHz \$689 <small>\$3505</small>	866 MHz \$699 <small>\$3506</small>
933 MHz \$719 <small>\$3507</small>	1000MHz \$749 <small>\$3508</small>

MS9000

- New VIA PRO266 Motherboard
- 133MHz FSB and UDMA-100 Support
- DDR PC1600/2100 and 4X AGP Support
- 128MB PC2100 DDR SDRAM
- 60 GB UDMA Hard Drive
- 12X DVD-ROM
- Nvidia GeForce 2 MX DVD 3D 32MB
- Motorola PCI 56K V.90 Voice Modem
- PCI Wave 4-Ch Surround Sound
- MLI-452 4-Ch Speakers w/Subwoofer

Pentium® III Coppermine
at 866 MHz **\$999** \$4506

Intel Celeron® Processor	
700 MHz \$889 <small>\$4501</small>	733 MHz \$899 <small>\$4502</small>
766 MHz \$909 <small>\$4503</small>	800 MHz \$929 <small>\$4504</small>
Intel Pentium® III Coppermine Processor	
850 MHz \$989 <small>\$4505</small>	933 MHz \$1,019 <small>\$4507</small>
1000MHz \$1,049 <small>\$4506</small>	

The Atlas Professional Multimedia Line

Cinematic Experience right in your own home and more

GS8000

- Intel Coppermine Ready Motherboard
- 133MHz FSB and UDMA-100 Support
- PC-133 and 4X AGP Support
- 128MB PC-133 SDRAM
- 40 GB UDMA-100 Hard Drive
- Creative Labs 12X DVD-ROM
- Nvidia GeForce 2 Pro 3D DVD 64MB
- US Robotics PCI 56K V.90 Voice Modem
- Creative SoundBlaster Live 5.1
- SoundBlaster 128V PCI 3D Wavetable
- Cambridge PC Works CSW100 Spkrs w/Subwoofer

Intel Celeron® Processor
at 800 MHz **\$799** \$5504

Intel Celeron® Processor	
700 MHz \$759 <small>\$5501</small>	733 MHz \$769 <small>\$5502</small>
766 MHz \$779 <small>\$5503</small>	
Intel Pentium® III Coppermine Processor	
850 MHz \$859 <small>\$5505</small>	866 MHz \$869 <small>\$5506</small>
933 MHz \$889 <small>\$5507</small>	1000MHz \$919 <small>\$5508</small>

GS9000

- Intel New 815i Chipset Motherboard
- 133MHz FSB/4X AGP/UDMA 100 Support
- 128MB PC-133 SDRAM
- 40 GB UDMA-100 Hard Drive
- 16X DVD-ROM
- Nvidia GeForce 2 Pro 3D DVD 64MB
- US Robotics PCI 56K V.90 Voice Modem
- Creative SoundBlaster Live 5.1
- Creative Labs Desktop Theater 5.1 DTT2200
- Microsoft Intelli Internet Keyboard
- Microsoft Intelli Mouse w/Wheel

Pentium® III Coppermine
at 850 MHz **\$1,109** \$6505

Intel Celeron® Processor	
700 MHz \$1,009 <small>\$6501</small>	733 MHz \$1,019 <small>\$6502</small>
766 MHz \$1,029 <small>\$6503</small>	800 MHz \$1,049 <small>\$6504</small>
Intel Pentium® III Coppermine Processor	
866 MHz \$1,119 <small>\$6506</small>	933 MHz \$1,149 <small>\$6507</small>
1000MHz \$1,179 <small>\$6508</small>	

CHOOSE A MONITOR

19"

ELEMENTS

Cyclone 9A **\$249**
.26 d.p. 1600 x 1200 @ 60Hz

SCEPTRE

D98A **\$279**

.26 d.p. 1600 x 1200 @ 76Hz

NEC

AS90 **\$299**

.26 d.p. 1600 x 1200 @ 76Hz

17"

ELEMENTS

Cyclone 7A **\$159**
.27 d.p. 1280 x 1024 @ 60Hz

SCEPTRE

D73P **\$179**

.27 d.p. 1280 x 1024 @ 60Hz

NEC

AS70 **\$189**

.27 d.p. 1280 x 1024 @ 66Hz

15"

SCEPTRE

D50X **\$125**

.28 d.p. 1024 x 768 @ 65Hz

NEC

AS50 **\$159**

.28 d.p. 1280 x 1024 @ 66Hz

INTRODUCING

NVIDIA
GeForce3

AVAILABLE
NOW

SEE HOW WE STACK UP !

Editors' Choice November 2000
Getting more for less plain feels good. Atlas Micro covers all the bases with its PS 5000, combining blazing speed with extras such as a DVD drive and a 17-inch monitor for less than \$1,000. This break-through system delivers jaw-dropping value and earns our Editor's Choice award.

Mr. Ken Feinstein

Editors' Choice June 2000
"Atlas clearly focused on speed when it created the RS6000. This system's no-nonsense approach to power left every other PC in this roundup in the dust....For the money, the Atlas RS6000 is impossible to beat. Kudos to Atlas for offering this breakthrough configuration."

Ms. Julie Polito

Best Buy January 2000
"Sweet deals are made of this: The AS9800. This 700MHz Athlon-based system is configured to blast away the competition with no compromises at a take-no-prisoners price"

Mr. Bill O'Brien

All Atlas Micro PCs include:
3.5" 1.44MB Diskette Drive, Medium ATX Case, Windows 98 SE Pre-installed w/CD, Sun Micro StarOffice Application Suite, Windows 98 Keyboard, Internet Mouse w/Scrolling Button, Deluxe Stand-up Microphone, 3-Year Limited Parts and Labor Warranty, Life Time Toll-Free Technical Support.

NVIDIA GeForce3
NVIDIA GeForce2

16720 E. Chestnut St., Unit D
City of Industry, CA 91748
Tel: 626-336-6899 • Fax: 626-336-6569

Business Hour:
Mon-Fri 8:30AM-5:30PM Pacific Time
Toll Free Technical Support: 877-336-6898

(800) 336-6898

www.buy-atlas.com

VISIT OUR WEBSITE TO CUSTOMIZE YOUR COMPUTER

©2001 Atlas Micro Logistic Inc. All rights reserved. All brand and product names are trademarks or registered trademarks of their respective companies. All prices and configurations are subject to change without notice or obligation. Original shipping charges and opened software are non-refundable. All returns have to be accompanied with an RMA number and must be in re-salable condition. Systems pictures may include some equipment and/or accessories which are not standard features. Atlas Micro Logistic Inc. is not responsible for any typographical errors.

"And I thought my jet was fast."

—Commercial Pilot and
ProStar 8593 Owner >

8593



Common Features

- > 102-key Keyboard with Numeric Keypad
- > 256KB On-Die L2 Cache
- > 16MB Video Memory
- > 10.0GB, 20.0GB, or 30.0GB Hard Drive opt.
- > Removable 3.5" 1.44MB FDD exchangeable with opt. Iomega Zip Drive, or 2nd HDD
- > 3D Surround Sound with Hardware Wavetable
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Painting Device
- > 2 Type II or 1 Type III PCMCIA Slots
- > 10/100 Ethernet Lan Adapter
- > 56K Capable V90 Modem
- > 75.6w Smart Lithium-Ion Battery
- > Infra Red, Wireless Fast IR Interface
- > 1 IEEE 1394 Port & 1 Video-In Port
- > 2 USB Ports & 1 TV-Out Port
- > Other Ports: 15, 1P, Ext. Keyboard and Ext. CRT
- > Jacks: 1 Line-In, 1 Line-Out and 1 Microphone
- > Microsoft® Windows® ME
- > Carrying Case and AC Adapter

15" SXGA+ Active Matrix Display
Intel® Pentium® III Processor 866MHz
128MB 133MHz SDRAM expandable to 512MB
10.0GB Hard Drive¹
8X¹ Max. DVD-ROM Drive (CD-RW opt.)

\$2045

15" SXGA+ Active Matrix Display
Intel® Pentium® III Processor 1.0GHz
256MB 133MHz SDRAM expandable to 512MB
30.0GB Hard Drive¹
8X¹ Max. DVD-ROM Drive (CD-RW opt.)

\$2295

2253



Common Features

- > 256KB On-Die L2 Cache
- > Integrated 4X AGP Graphics with 32MB Max. user definable share Memory Architecture
- > 10.0GB, 20.0GB, or 30.0GB Hard Drive opt.
- > 3.5" 1.44MB FDD
- > 3D Surround Sound
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Painting Device
- > 1 Type II PCMCIA Slot
- > 56K Capable V90 Modem + 10/100 Ethernet
- > Infra Red, Wireless Fast IR Interface
- > 3 Hot Keys for E-Mail, Browser and API
- > 1 IEEE 1394 Port
- > 2 USB Ports & 1 TV-Out Port
- > Other Ports: 1P, Ext. Keyboard and Ext. CRT
- > Jacks: 1 Headphone and 1 Microphone
- > Microsoft® Windows® ME
- > Carrying Case and AC Adapter
- > Slim Notebook: 12.1" w x 10.0" d x 1.48" h

14.1" XGA Active Matrix Display
Intel® Pentium® III Processor 866MHz
128MB 133MHz SDRAM expandable to 512MB
10.0GB Hard Drive¹
24X² Max. CD-ROM Drive (8X¹ Max. DVD opt.)

\$1495

14.1" XGA Active Matrix Display
Intel® Pentium® III Processor 1.0GHz
256MB 133MHz SDRAM expandable to 512MB
20.0GB Hard Drive¹
8X¹ Max. DVD-ROM Drive (CD-RW opt.)

\$1795

2253



Common Features

- > 256KB On-Die L2 Cache
- > Integrated 4X AGP Graphics with 32MB Max. user definable share Memory Architecture
- > 10.0GB, 20.0GB, or 30.0GB Hard Drive opt.
- > 3.5" 1.44MB FDD
- > 3D Surround Sound
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Painting Device
- > 1 Type II PCMCIA Slot
- > 56K Capable V90 Modem + 10/100 Ethernet
- > Infra Red, Wireless Fast IR Interface
- > 3 Hot Keys for E-Mail, Browser and API
- > 1 IEEE 1394 Port
- > 2 USB Ports & 1 TV-Out Port
- > Other Ports: 1P, Ext. Keyboard and Ext. CRT
- > Jacks: 1 Headphone and 1 Microphone
- > Microsoft® Windows® ME
- > Carrying Case and AC Adapter
- > Slim Notebook: 12.1" w x 10.0" d x 1.48" h

13.3" XGA Active Matrix Display
Intel® Pentium® III Processor 866MHz
128MB 133MHz SDRAM expandable to 512MB
10.0GB Hard Drive¹
24X² Max. CD-ROM Drive (8X¹ Max. DVD opt.)

\$1395

13.3" XGA Active Matrix Display
Intel® Pentium® III Processor 866MHz
128MB 133MHz SDRAM expandable to 512MB
20.0GB Hard Drive¹
8X¹ Max. DVD-ROM Drive (CD-RW opt.)

\$1595

PROSTAR

The ProStar 8593

Our top-of-the-line notebook boasts unrivaled speed and power at an unbelievable price.



2893



Common Features

- > 256KB On-Die L2 Cache
- > 2X AGP 8MB ATI Rage Pro 3D Video
- > 10.0GB or 20.0GB Hard Drive opt.
- > 3.5" 1.44MB Floppy Disk Drive
- > 3D Surround Sound
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Pointing Device
- > 1 Type II PCMCIA Slot
- > 10/100 Ethernet Lan Adapter
- > 56K Capable V90 Modem
- > Smart Lithium-Ion Battery
- > Infra Red, Wireless Fast IR Interface
- > 2 USB Ports
- > Other Parts: 1S, 1P, Ext. Keyboard and Ext. CRT
- > Jacks: 1 Line-In, 1 Line-Out and 1 Microphone
- > Microsoft® Windows® ME
- > Carrying Case and AC Adapter
- > Slim Notebook: 12.8" w x 10.15" d x 1.49" h

15" XGA Active Matrix Display
Mobile Pentium® III Processor 700MHz
Featuring Intel® SpeedStep™ Technology
128MB 100MHz SDRAM expandable to 512MB
10.0GB Hard Drive⁴
24X² Max. CD-ROM Drive (8X¹ Max. DVD opt.)

\$1795

15" XGA Active Matrix Display
Mobile Pentium® III Processor 700MHz
Featuring Intel® Speed Step™ Technology
128MB 100MHz SDRAM expandable to 512MB
20.0GB Hard Drive⁴
8X¹ Max. DVD-ROM Drive

\$1995

2293



Common Features

- > 128KB On-Die L2 Cache (Intel® Celeron™ Processor)
- > 256KB On-Die L2 Cache (Intel® Pentium® III Processor)
- > Integrated 4X AGP Graphics with 32MB Max. user definable share Memory Architecture
- > 10.0GB, 20.0GB, or 30.0GB Hard Drive opt.
- > 3.5" 1.44MB FDD
- > 3D Surround Sound
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Pointing Device
- > 1 Type II PCMCIA Slot
- > 56K Capable V90 Modem + 10/100 Ethernet
- > Infra Red, Wireless Fast IR Interface
- > 3 Hot Keys for E-Mail, Browser and API
- > 2 USB Ports
- > Other Parts: 1S, 1P, Ext. Keyboard and Ext. CRT
- > Jacks: 1 Headphone and 1 Microphone
- > Microsoft® Windows® ME
- > Carrying Case and AC Adapter
- > Slim Notebook: 12.1" w x 10.0" d x 1.48" h

13.3" XGA Active Matrix Display
Intel® Celeron™ Processor 600MHz
64MB 100MHz SDRAM expandable to 512MB
10.0GB Hard Drive⁴
24X² Max. CD-ROM Drive (8X¹ Max. DVD opt.)

\$1295

14.1" XGA Active Matrix Display
Mobile Pentium® III Processor 700MHz
Featuring Intel® Speed Step™ Technology
128MB 100MHz SDRAM expandable to 512MB
10.0GB Hard Drive⁴
8X¹ Max. DVD-ROM Drive (CD-RW opt.)

\$1645

5190



Common Features

- > 128KB On-Die L2 Cache (Intel® Celeron™ Processor)
- > 256KB On-Die L2 Cache (Intel® Pentium® III Processor)
- > Integrated 4X AGP Graphics with 32MB Max. user definable share Memory Architecture
- > 10.0GB, 20.0GB, or 30.0GB Hard Drive opt.
- > 3.5" 1.44MB FDD
- > 3D Sound Effect
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Pointing Device
- > 1 Type II PCMCIA Slot
- > 10/100 Ethernet Lan Adapter
- > 56K Capable V90 Modem
- > Infra Red, Wireless Fast IR Interface
- > 1 USB Port
- > Other Parts: 1S, 1P, Ext. Keyboard and Ext. CRT
- > Jacks: 1 Headphone and 1 Microphone
- > Microsoft® Windows® ME
- > Carrying Case and AC Adapter
- > Super Slim Notebook: 11" w x 9.4" d x 1.5" h

12.1" XGA Active Matrix Display
Intel® Celeron™ Processor 600MHz
64MB 100MHz SDRAM expandable to 512MB
10.0GB Hard Drive⁴
24X² Max. CD-ROM Drive (8X¹ Max. DVD opt.)

\$1195

12.1" XGA Active Matrix Display
Mobile Pentium® III Processor 700MHz
Featuring Intel® Speed Step™ Technology 128MB
100MHz SDRAM expandable to 512MB
10.0GB Hard Drive⁴
8X¹ Max. DVD-ROM Drive (CD-RW opt.)

\$1495

Options > Car Adapter > Port Replicator
> Numeric Keypad > PCMCIA Cards (V90Data/Fax, Ethernet 10/100 16-Bit, MPEG-II) > Please call for options availability, most options are notebook specific.

Leasing & Warranty Business leasing available on all ProStar systems. Lifetime toll-free technical support. One year parts and labor warranty. 30-day money back guarantee. 3 year warranty from Phillips Magnavox (Optional on every ProStar System).

Special Programs Dealer/VAR, Government and Corporate pricing available. Call a ProStar representative for details.

GSA Contract # GS-35F-5084H

Tech Support 888-576-4742

ProStar Computers, Inc.

1128 Cainer Court, City of Industry, CA 91748

> Tel (626)854-3428

> Fax (626)854-3438

> Hours: Mon-Fri, 7:30am-6:00pm, Sat, 9am-3pm PST

> American Express, VISA and MasterCard Credit Cards Accepted — NO SURCHARGE.

²X Minimum, ¹10X Minimum, ⁴Download speeds limited to 53Kbps. Upload speeds are less. Actual data speeds will vary depending on line conditions. ⁵Total HD accessible capacity may vary depending on operating environment. ©2001 by ProStar Computer Inc. All rights reserved. Intel, the Intel Inside logo and Pentium are registered trademarks. SpeedStep and Celeron are trademarks of Intel Corporation. All other companies and product names are trademarks of their respective companies. Dealer price is not subject to 30 days money back guarantee program. Opened software and shipping charges are non-refundable. 30-day money back guarantee does not include return freight or shipping and handling charge. Not responsible for photo or typographical errors. Price and terms subject to change without notice.



www.shopprostar.com 800.243.5654

DESIGN YOUR OWN SYSTEM. DESIGN YOUR OWN PRICE. GO TO DELL.COM

DELL™ SERVERS:

DELL™ POWEREDGE™ 300SC

NEW—Basic Server at Our Lowest Price

- Intel® Pentium® III Processor at 800MHz (up to 850MHz)
- Dual Processor Capable
- 64MB 100MHz ECC SDRAM (up to 1GB)
- 10GB⁵ (7200 RPM) IDE HD (up to 40GB⁵)
- Intel® Pro/100+ PCI Ethernet Adapter
- 48X Max IDE CD-ROM
- Dell™ OpenManage™ Server Management Solutions
- 1-Yr NBD On-Site Service³, Years 2 & 3 Parts & Labor
- 7x24 Phone Tech Support

\$899  **E-VALUE CODE**
05983-290408


BUSINESS LEASE: \$24/MO., 48 MOS.¹¹

- 2nd 10GB⁵ (7200 RPM) IDE HD, add \$109
- 2nd Intel® Pentium® III Processor at 800MHz, add \$399

DELL™ POWEREDGE™ 1400SC

NEW—Small Business Value Solution

- Intel® Pentium® III Processor at 800MHz (up to 1.0GHz)
- Dual Processor/RAID Capable
- 128MB 133MHz ECC SDRAM (up to 2GB)
- 9GB⁵ (7200 RPM) Ultra3 (Ultra 160) SCSI HD (up to 36GB⁵ 10K RPM)
- Integrated NIC/SCSI Controllers
- 48X Max IDE CD-ROM
- Dell™ OpenManage™ Server Management Solutions
- 3-Yr NBD On-Site Service³
- 7x24 Phone Tech Support

\$1099  **E-VALUE CODE**
05983-290410

BUSINESS LEASE: \$30/MO., 48 MOS.¹¹

- 2nd 9GB⁵ (7200 RPM) Ultra3 SCSI HD, add \$219
- MS® Windows® 2000 Server, add \$799

DELL™ POWEREDGE™ 2400

Scalable Workgroup Server

- Intel® Pentium® III Processor at 866MHz (up to 1.0GHz)
- Dual Processor/RAID Capable
- 128MB 133MHz ECC SDRAM (up to 2GB)
- 9GB⁵ (7200 RPM) Ultra2/LVD SCSI HD (up to 73GB⁵ 10K RPM)
- Integrated NIC/SCSI Controllers
- 40X Max SCSI CD-ROM
- Dell™ OpenManage™ Server Management Solutions
- 3-Yr NBD On-Site Service³
- 7x24 Phone Tech Support

\$1599  **E-VALUE CODE**
05983-290415

BUSINESS LEASE: \$44/MO., 48 MOS.¹¹

- 2nd 9GB⁵ (7200 RPM) Ultra2/LVD SCSI HD, add \$249
- Red Hat® Linux™ 7.0, Factory Installed, add \$0

DELL™ NOTEBOOKS:

DELL™ INSPIRON™ 3800

Design and Affordability Notebook

- Intel® Celeron™ Processor at 600MHz
- 12.1" SVGA TFT Display
- 64MB SDRAM; 5GB⁵ Ultra ATA HD
- Modular 24X Max Variable CD-ROM
- 8MB ATI® Rage Mobility™ M1 3D® Video, 2X AGP
- 4-cell Li-Ion Battery w/ExpressCharge™ Technology
- Internal 56K Capable® Modem
- MS® Works Suite 2001; MS® Windows® Me
- 1-Yr Ltd Warranty⁷; 1-Yr Mail-in Service, 1-Yr Phone Tech Support

\$1069  **E-VALUE CODE**
05983-890410

BUSINESS LEASE: \$30/MO., 48 MOS.¹¹

- Intel® Pentium® III Processor at 700MHz, add \$130
- 3-Yr NBD On-Site Service³ with Lifetime Phone Tech Support, add \$219

DELL™ INSPIRON™ 8000

NEW—Performance and Versatility Notebook

- Intel® Celeron™ Processor at 700MHz
- 14.1" Super XGA+ TFT Display
- 64MB SDRAM; 5GB⁵ Ultra ATA HD
- Fixed CD-ROM (Upgrade to CD-RW or DVD)
- Modular Floppy (Upgrade to Optical or Zip Drive)
- Internal 56K Capable® Mini-PCI Modem
- 8MB ATI® Mobility™ M4 3D® Video, 4X AGP
- 59Whr Li-Ion Battery w/ExpressCharge™ Technology
- MS® Office 2000 Small Business
- MS® Windows® Me
- 1-Yr Ltd Warranty⁷; 1-Yr Mail-in Service, 1-Yr Phone Tech Support

\$1639  **E-VALUE CODE**
05983-890416


BUSINESS LEASE: \$45/MO., 48 MOS.¹¹

- Internal TrueMobile™ Wireless NIC² Card, add \$99
- 3-Yr NBD On-Site Service³ with Lifetime Phone Tech Support, add \$219

DELL™ LATITUDE™ CPI

Network-Optimized Value Notebook

- Intel® Celeron™ Processor at 600MHz
- 12.1" SVGA Active Matrix Display (14.1" XGA Available)
- 64MB SDRAM; 6GB⁵ Ultra ATA HD
- 8MB ATI® Mobility™ M1 Video, 2X AGP
- MS® Windows® 98, Second Edition
- Modular 24X Max CD-ROM/Floppy Drive
- Internal 56K Capable® SoftModem
- Li-Ion Battery w/ExpressCharge™ Technology
- Dual Pointing – Touchpad and Pointing Stick
- 1-Yr NBD On-Site Service³

\$1399  **E-VALUE CODE**
05983-790413

BUSINESS LEASE: \$39/MO., 48 MOS.¹¹

- 14.1" Active Matrix Display, add \$200
- Deluxe Nylon Carrying Case, add \$69

DELL™ DESKTOPS AND WORKSTATIONS:

DELL™ DIMENSION™ L

Affordable Business Desktop

- Intel® Pentium® III Processor at 933MHz
- 64MB SDRAM (up to 512MB)
- 20GB⁵ Ultra ATA/100 HD
- 15" (13.8" vis) E551 Monitor
- Intel® 3D® AGP Graphics; 48X Max CD-ROM
- SoundBlaster 64V PCI Sound Card
- PC Speakers; 10/100 PCI Fast Ethernet NIC
- MS® Windows® Me & MS® Works Suite 2001 & Norton® AntiVirus™
- 1-Yr Ltd Warranty²; 1-Yr NBD On-Site Service³

\$799  **E-VALUE CODE**
05983-590407

BUSINESS LEASE: \$22/MO., 48 MOS.¹

- 17" (16.0" vis) E770 Monitor, add \$60
- 3-Yr Ltd Warranty²; 1-Yr NBD On-Site Service³, add \$69

DELL™ DIMENSION™ 4100

Advanced Business Desktop

- Intel® Pentium® III Processor at 1.0GHz
- 64MB SDRAM (up to 512MB)
- 20GB⁵ Ultra ATA/100 HD (up to 80GB⁵)
- 15" (13.8" vis) E551 Monitor
- 16MB ATI® Rage™ Pro Graphics; 48X Max CD-ROM
- Integrated Audio with SoundBlaster Pro/16
- harman/kardon® Speakers
- Integrated Intel® 10/100 NIC
- MS® Windows® Me & MS® Office 2000 Small Business & Norton® AntiVirus™
- 3-Yr Ltd Warranty²; 1-Yr NBD On-Site Service³

\$999  **E-VALUE CODE**
05983-590409

BUSINESS LEASE: \$28/MO., 48 MOS.¹

- 17" (16.0" vis) E770 Monitor, add \$60
- MS® Windows® 2000 Professional, add \$99

DELL™ DIMENSION™ 8100

Cutting-Edge Business Desktop

- Intel® Pentium® 4 Processor at 1.3GHz
- 128MB RDRAM (up to 512MB)
- 20GB⁵ Ultra ATA/100 HD (up to 80GB⁵)
- 17" (16.0" vis) E770 Monitor
- 32MB NVIDIA GeForce2 MX AGP Graphics
- 48X Max CD-ROM
- Integrated 3Com® 10/100 NIC
- MS® Windows® Me & MS® Office 2000 Small Business & Norton® AntiVirus™
- 3-Yr Ltd Warranty²; 1-Yr NBD On-Site Service³

\$1299  **E-VALUE CODE**
05983-590412

BUSINESS LEASE: \$36/MO., 48 MOS.¹

- SB Live! Value Digital Sound, add \$30
- Logitech Wireless Keyboard & Mouse, add \$65
- 3-Yr NBD On-Site Service³, add \$99

DELL™ OPTIPLEX™ GX150

Latest and Greatest Managed PC

- Intel® Pentium® III Processor at 933MHz
- 128MB PC133 SDRAM (up to 512MB)
- 20GB⁵ (7200 RPM) ATA/100 HD (up to 40GB⁵)
- 17" (16.0" vis) E771p Monitor (up to Flat Panel)
- Integrated Graphics with 4MB Graphics Performance Accelerator
- 48X Max CD-ROM; Integrated AC97 Audio
- Integrated 3Com® 10/100 NIC
- MS® Windows® 2000 Professional
- OptiFrame™ Small Desktop Tool-less Chassis in Midnight Gray
- 3-Yr NBD On-Site Service³

\$1199  **E-VALUE CODE**
05983-390411a

BUSINESS LEASE: \$33/MO., 48 MOS.¹

DELL™ OPTIPLEX™ GX200

Network-Optimized Managed PC

- Intel® Pentium® III Processor at 1.0GHz
- 128MB PC700 RDRAM (up to 512MB)
- 20GB⁵ (7200 RPM) ATA HD (up to 18.2GB⁵ 10K SCSI HD)
- 17" (16.0" vis) E771p Monitor (up to Flat Panel)
- Integrated 3Com® 10/100 NIC
- Integrated 8MB 4X AGP Graphics
- 48X Max CD-ROM; Integrated AC97 Audio
- MS® Windows® 2000 Professional
- OptiFrame™ Mini-Tower Tool-less Chassis
- 3-Yr NBD On-Site Service³

\$1499  **E-VALUE CODE**
05983-390411a

BUSINESS LEASE: \$41/MO., 48 MOS.¹

DELL™ PRECISION™ 330

Latest and Greatest Technology

- Intel® Pentium® 4 Processor at 1.3GHz
- Desktop Chassis in Midnight Gray
- Single Processor/400MHz System Bus
- 128MB PC600 RDRAM (up to 2GB)
- 10GB (7200 RPM) EIDE HD (up to 73.4GB⁵ 10K RPM SCSI)
- Matrox G450 32MB 4X AGP Graphics Card
- Integrated NIC & Sound; 48X Max CD-ROM
- MS® Windows® 2000 Professional
- 3-Yr NBD On-Site Service³
- 7x24 Dedicated Workstation Phone Tech Support

\$1699  **E-VALUE CODE**
05983-490416

BUSINESS LEASE: \$47/MO., 48 MOS.¹

- Monitor Sold as an Upgrade



Dell recommends Windows 2000 Professional for business.

Call: M-F 7a-9p | Sat 10a-6p | Sun 12p-5p CT
Canada: 800-232-6306 | Mexico: 001-877-269-3379
GSA Contract #GS-35F-4076D

Prices, specifications and availability may change without notice. Taxes and shipping charges extra, and vary. Cannot be combined with other offers or discounts. U.S. only. ¹For a copy of our Guarantees or Limited Warranties, write Dell USA L.P., Attn: Warranties, One Dell Way, Round Rock, Texas 78682. ²Service may be provided by third party. Technician will be dispatched, if necessary, following phone-based troubleshooting. To receive Next-Business-Day service, Dell must notify service provider before 5 pm (depending on service contract) customer's time. Availability varies. ³For hard drives, GB means 1 billion bytes; accessible capacity varies with operating environment. ⁴Download speeds limited to 53Kbps. Upload speeds are less (about 30Kbps) and vary by modem manufacturer and line conditions. Analog phone line and compatible server required. ⁵Business leasing arranged by Dell Financial Services L.P., an independent entity, to qualified customers. Lease payments based on 48-month FMV purchase option lease and do not include taxes, fees and shipping charges. Subject to credit approval and availability. Lease terms subject to change without notice. ⁶Connect at a rate of 11Mbps up to 100m from connected access point. Range and speed may vary due to number of users, interference, transmission barriers (such as walls and building material) and other factors. Dell, the stylized E logo, E-Value, Dimension, Inspiron, Latitude, OptiPlex, PowerEdge and Dell Precision are trademarks of Dell Computer Corporation. Intel, the Intel Inside logo and Pentium are registered trademarks, and Intel Celeron is a trademark of Intel Corporation. MS, Microsoft, Windows NT and Windows are registered trademarks of Microsoft Corporation. 3Com and Fast EtherLink are registered trademarks of 3Com Corporation. Dell cannot be held responsible for errors in typography or photography. ©2001 Dell Computer Corporation. All rights reserved.



USE THE POWER OF THE E-VALUE CODE. Match our latest technology with our latest prices. Enter the E-VALUE code online or give it to your sales rep over the phone. www.dell.com/evalue



USE THE E-VALUE CODE TO GET EXACTLY WHAT YOU WANT

800.873.5234

WWW.DELL.COM

DESKTOPS

ABS PERFORMANCE XTREME

Go to the Xtreme for Value and Performance

FROM PERFORMANCE TO SUPREME AND NOW ON TO THE XTREME, ABS Computer Technologies has been knocking out the hits, one after another. Its latest, the \$2,199 Performance Xtreme, tuned for gaming or work at the leading edge, landed on our charts with a bullet.

Right now, there is no better price/performance combination for 2D-graphics and business applications than an Athlon CPU and DDR SDRAM. In this PC, ABS uses a relatively mild 1.1GHz AMD processor, but the DDR memory pushes it into the 1.5GHz Pentium 4 performance arena with high scores on application and 2D-performance tests, although disk throughput from its 40GB 7,200rpm Maxtor DiamondMax Plus hard drive was merely adequate for an ATA/100-based subsystem. We're limiting our criticism on this point to a quibble, because you probably won't notice the difference unless you're running highly disk-intensive applications such as large databases.

The Leadtek WinFast GeForce2 Ultra-based graphics subsystem with a full 64MB of DDR SDRAM delivers excellent 3D-game performance. This graphics card provides S-Video, NTSC (composite), and DVI-D outputs, in addition to the standard VGA connector.

The Xtreme presents many additional features that go above and beyond those for mere work. Home theater enters the picture via a 16x Pioneer DVD-ROM drive and InterVideo's WinDVD playback software. Our test system came with a 17-inch ADI MicroScan E75 monitor, but the Xtreme now ships with the 19-inch ViewSonic E790, a great movie screen with 18 inches of viewing area and a fine 0.26mm dot pitch. Maximum resolution for the E790 is 1,600x1,200 at a 75Hz refresh rate. And with the S-Video or NTSC output, you can connect your Performance Xtreme to your television for DVD playback, if desired.

While the Creative Labs Sound Blaster Live Platinum 5.1 sound card provides

amplification, the genius of the ABS DVD implementation is the Cambridge SoundWorks DTT3500 digital speaker system, which includes a stand-alone Dolby Digital decoder/amplifier and a handheld remote control. In terms of volume, the DTT3500 is a somewhat sedate system, with four 7-watt satellites, a 21-watt center speaker, and a 30-watt subwoofer. But if the loudness underwhelms you, the quality of the audio will knock you over. And having a remote handy means no more of those awkward "musical chair" moments when you feel like adjusting the sound controls.

The speakers also lend themselves well to playing back audio CDs. You can play your own or create more discs with the 12x/10x/32x Plextor CD-RW drive. To help you get really creative with your sound, ABS includes the Live Drive, a front-mounted collection of analog and digital audio ports and volume controls (mounted in a front-accessible drive bay) that tap into the

Sound Blaster card and make dealing with dust bunnies behind the computer a thing of the past.

The Performance Xtreme comes ready to communicate right out of the box, with a U.S. Robotics V.90 modem and a 3Com EtherLink XL 10/100 Ethernet card preinstalled. This latter device means the Xtreme is ready to roll with a DSL or cable-modem broad-

band connection, in addition to an ordinary LAN. Besides Windows Me, Corel WordPerfect Office 2000 is preinstalled.

With everything that's provided, it shouldn't be too surprising that the Xtreme doesn't have much expansion room available in its midtower case. The case has two 3.5-inch drive

bays, one accessible and one internal, and you'll need some dexterity to get around the cables and wires of the other drives. In addition, only one memory expansion socket and two PCI slots are empty, though the two free USB ports mitigate those deficiencies somewhat.

ABS provides toll-free technical support on weekdays, and the Xtreme is covered by a three-year parts and lifetime labor warranty handled through parts shipping. Prospective buyers will need to consider whether they mind not having tech support available on weekends, and whether they feel comfortable replacing parts as needed. Converting the coverage to onsite coverage costs \$29 for one year, or \$149 for three years.

If you're not looking for the Intel Inside logo and want to zip through your daily grind to get to the fun stuff, the ABS Performance Xtreme should keep you both satisfied and entertained.

—Bill O'Brien

EDITORS' RATING 7.8

RATED 1 TO 10

DESIGN.....	8
EASE OF USE.....	8
FEATURES.....	8
PERFORMANCE.....	8
SERVICE AND SUPPORT.....	7
VALUE.....	8

Fast blend of Athlon and DDR SDRAM; excellent speakers; front-panel access to audio ports and controls

Onsite service not standard; relatively little drive or card expansion; tool-dependent midtower

SYSTEM:

ABS Performance Xtreme

COMPANY:

ABS Computer Technologies
Whittier, CA

800-876-8088, 562-695-8823
www.buyabs.com

AS TESTED: 1.1GHz Athlon; 128MB PC2100 DDR SDRAM; 40GB hard drive; 12x/10x/32x CD-RW drive; 16x DVD drive; Leadtek WinFast GeForce2 Ultra graphics card with 64MB DDR SDRAM; 17-inch ADI MicroScan E75 monitor; Creative Labs Sound Blaster Live Platinum 5.1 sound card; Cambridge SoundWorks DTT3500 six-piece digital speaker system; U.S. Robotics V.90 modem; 3Com EtherLink XL 10/100Mbps network card; Windows Me; Corel WordPerfect Office 2000

DIRECT PRICE: \$2,199
(with 19-inch ViewSonic E790 monitor)

3 4 3 4 4

For real-time pricing, go to priceit.zdnet.com and enter number.



DESKTOPS

COMPAQ IPAQ DESKTOP

A Stylish and Simple Business Solution

FIRST INTRODUCED ABOUT A YEAR AGO, THE COMPAQ IPAQ DESKTOP was designed to demonstrate that business doesn't have to be boring. The compact, black-and-silver case was so engaging that it even caught the eye of SOHO buyers as well as its intended audience of small- and medium-size businesses. The latest version, which includes updated configurations, a handful of new features, and some new design touches, should continue to appeal to buyers who favor a simple, compact design over expansion.

The iPaq Desktop comes in two basic flavors: a legacy-free version with Windows 2000 or Windows Me, and a version with an optional, snap-on module that adds legacy ports

(parallel, serial, and PS/2), shipping with Windows 98, 2000, or NT 4.0 Service Pack 6. Both models are based on the Intel 815E integrated chipset, and each is available with either an 866MHz Pentium III processor or a 700MHz Celeron chip, and in a variety of configurations with prices starting at \$499 direct. The

system we tested included legacy ports, a 700MHz Celeron processor, 128MB of SDRAM, a 10GB hard drive, an 8x DVD drive, and a 15-inch LCD panel for \$1,699 direct.

At 13.8x5.4x10.4 inches (HWD), the new iPaq design requires even less space than its predecessor—already one of the most downsized desktops around. Compaq also gave the front panel a bit of a face-lift, but it has essentially the same features, including a MultiBay that accommodates the same hot-swappable drives (CD, DVD, SuperDisk LS-120, floppy, or hard drive) used by the Armada notebook line—a big advantage for companies that have standardized on Compaq portables.

The iPaq includes several other features designed to appeal specifically to the corporate market. A security bracket that locks the hard drive, memory, and legacy-port module in place is now standard. (It was an

option on the original iPaq.) And all configurations include an integrated Intel Pro/100+ VM network controller and Compaq Intelligent Manageability software, which includes asset tracking, Wake-on-LAN support, remote ROM flashing, fault notification, and recovery and software-deployment tools.

The system we tested included a 15-inch Compaq TFT5004 LCD that looked great at its native resolution of 1,024x768 pixels. Video was another story, though. The integrated graphics chipset, 8x DVD drive, and InterVideo's WinDVD 2000 software together produced video playback that was nearly unviewable. The integrated speaker is adequate, but the system also has front and rear audio outputs for Compaq's Premier-Sound PS-115 Professional Speaker System (a \$35 option) or another of your choice. For most corporate customers, the video and 3D performance will be rela-

tively unimportant, however.

Like most systems with an integrated graphics chipset, the iPaq can't perform at the level of systems with dedicated graphics controllers and loads of memory. For instance, when compared to our reference system (a Dell Dimension XPS B series with an 800MHz Pentium III processor and 128MB

of RAM, also running Windows 2000), the iPaq was about 30 percent slower on business applications and not even in the ballpark on 3D tests.

But the iPaq held its own against other systems with the same chipset, such as the Toshiba Equium 8000S, and even posted higher scores on tests of content-creation applications. The bottom line: The iPaq offers more than enough muscle for its intended use on typical business applications. Corporate users won't feel cheated while Web surfing or word processing.

The chief disadvantage of the iPaq Desktop is that it has neither ISA nor PCI expansion slots. Although this isn't unusual for a small-footprint PC, you can find business desktops in this class that offer expansion, such as the IBM NetVista X40 all-in-one, which has two low-profile PCI slots. The iPaq does, however, have six USB ports, including two conveniently located on the front panel.

Toll-free 24-hour-daily technical support is standard for the iPaq Desktop, as is a one-year onsite parts-and-labor warranty. Optional extended next-business-day onsite plans are available for reasonable rates.



The Compaq iPaq Desktop has its limitations—lack of expansion and mediocre performance—but this spruced-up version will continue to find a niche among businesses seeking a simple, stylish computing solution.

—Bill O'Brien

EDITORS' RATING **7.5**

RATED 1 TO 10

DESIGN	9
EASE OF USE	9
FEATURES	7
PERFORMANCE	6
SERVICE AND SUPPORT	7
VALUE	7

-  Small size; extremely stylish; six USB ports
-  Mediocre performance; TFT panel not good for video; small-capacity hard drive

SYSTEM:

Compaq iPaq Desktop

COMPANY:

Compaq Computer
Houston, TX
800-652-6672; 281-370-0670
www.compaq.com

AS TESTED:

700MHz Celeron; 128MB PC133 SDRAM; 10GB hard drive; 8x DVD drive; integrated Intel 815E graphics chipset; 15-inch Compaq TFT5004 flat-panel LCD; integrated AV97-codec sound; monaural internal speaker; integrated Intel 10/100Mbps Ethernet; Windows 2000

DIRECT PRICE: \$1,699

3D Net Price It!
3 4 3 5 5

For real-time pricing, go to priceitl.zdnet.com and enter number.



Point, Click, Save!

NP8560 Series



Introducing the
fastest processing
available in a notebook!

Sager's NP8560 Desktop Replacement comes loaded with the latest, cutting-edge technology in processing for a notebook. This new capability increases bandwidth from 100MHz to 133MHz and that translates into ultra-fast speed for memory intensive applications. As well, these notebooks come complete with upgraded features normally found only in a desktop computer including a huge 15.0" SXGA+ Active Matrix Display. Upgrade to the NP8560 Series for tomorrow's portable speed, built for you today.

np 8560 v

- 15.0" SXGA+ Active Matrix Display
- Intel® Pentium® III Processor 1.0GHz
- 16MB Video Memory
- 256MB 133MHz SDRAM
- 30.0GB Ultra DMA Hard Drive
- Modular 8X Max. DVD-ROM² and 4X4X20 Max. CD-RW Drive² (both included)
- Integrated 56K V90 Modem¹ + 10/100 Ethernet
- 15-Cell 75.6w Smart Lithium-Ion Battery
- 102-Key Keyboard with Numeric Keypad
- IEEE-1394 Port
- 256KB On-Die L2 Cache
- Modular 3.5" FDD exchangeable with opt. Iomega® Zip Drive or 2nd HDD
- 3D Surround Sound with Hardware Wavetable
- Built-In Touchpad Pointing Device
- 2 Type II or 1 Type III PCMCIA Slots
- Infra Red, Wireless Fast IR Interface
- 1 TV-Out Port & 1 Video-In Port
- Other Ports: 2 USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- Microsoft® Windows® ME
- Deluxe Carrying Case
- Weight: 9.5 lbs with Battery
- 14.0" w x 11.0" d x 2.2" h
- Sager's Umbrella Protection Policy

\$2495

SAGER
THE PORTABLE POWER PEOPLE

np 8560 s

- 15.0" SXGA+ Active Matrix Display
- Intel® Pentium® III Processor 1.0GHz
- 16MB Video Memory
- 256MB 133MHz SDRAM
- 20.0GB Ultra DMA Hard Drive
- 8X Max. DVD-ROM Drive²
- Integrated 56K V90 Modem¹ + 10/100 Ethernet
- 15-Cell 75.6w Smart Lithium-Ion Battery
- 102-Key Keyboard with Numeric Keypad
- IEEE-1394 Port
- 256KB On-Die L2 Cache
- Modular 3.5" FDD exchangeable with opt. Iomega® Zip Drive or 2nd HDD
- 3D Surround Sound with Hardware Wavetable
- Built-In Touchpad Pointing Device
- 2 Type II or 1 Type III PCMCIA Slots
- Infra Red, Wireless Fast IR Interface
- 1 TV-Out Port & 1 Video-In Port
- Other Ports: 2 USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- Microsoft® Windows® ME
- Deluxe Carrying Case
- Weight: 9.5 lbs with Battery
- 14.0" w x 11.0" d x 2.2" h
- Sager's Umbrella Protection Policy

\$2195

np 8560 c

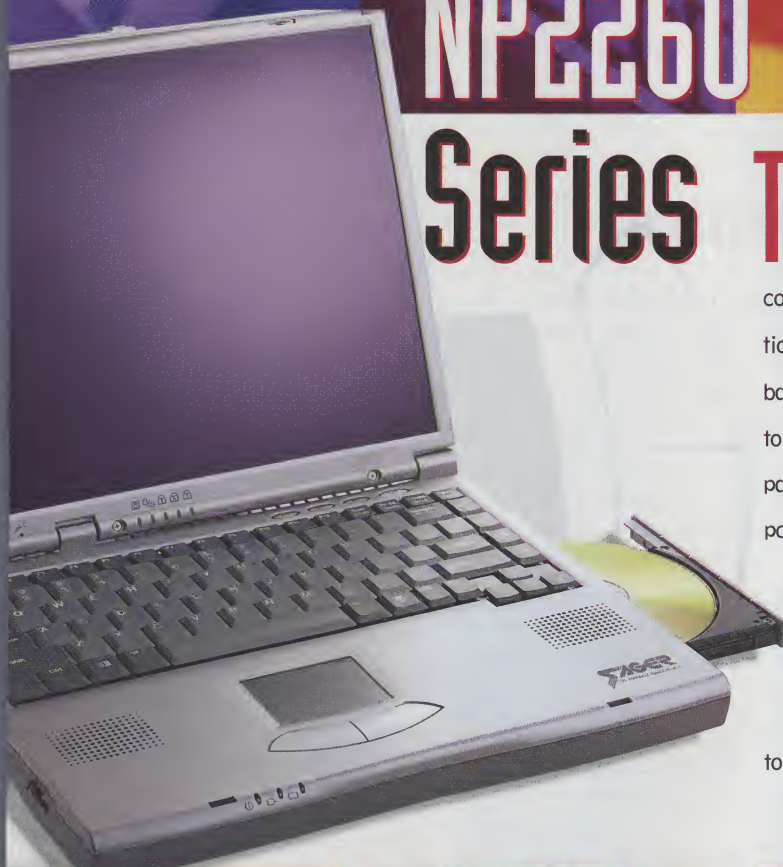
- 15.0" SXGA+ Active Matrix Display
- Intel® Pentium® III Processor 866MHz
- 16MB Video Memory
- 128MB 133MHz SDRAM
- 10.0GB Ultra DMA Hard Drive
- 24X Max. CD-ROM Drive¹
- Integrated 56K V90 Modem¹ + 10/100 Ethernet
- 15-Cell 75.6w Smart Lithium-Ion Battery
- 102-Key Keyboard with Numeric Keypad
- IEEE-1394 Port
- 256KB On-Die L2 Cache
- Modular 3.5" FDD exchangeable with opt. Iomega® Zip Drive or 2nd HDD
- 3D Surround Sound with Hardware Wavetable
- Built-In Touchpad Pointing Device
- 2 Type II or 1 Type III PCMCIA Slots
- Infra Red, Wireless Fast IR Interface
- 1 TV-Out Port & 1 Video-In Port
- Other Ports: 2 USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- Microsoft® Windows® ME
- Deluxe Carrying Case
- Weight: 9.5 lbs with Battery
- 14.0" w x 11.0" d x 2.2" h
- Sager's Umbrella Protection Policy

\$1895

[800] 669-1624

NP2260

Series



The NP2260 Series is the ultimate for today's demanding connectivity and communications needs. With processing bandwidth boosted from 100MHz to 133MHz, this Series comes packed with all the standard ports plus an IEEE-1394, TV-out and two USB. For even greater access a built-in 56K Fax/Modem and 10/100 Ethernet make this one laptop that deserves a second look.

Options

- Car Adapter
- CD-RW Drive
- Iomega® Zip Drive (NP8560)
- Port Replicator
- Numeric Keypad
- USB Video-Camera
- Secondary Hard Disk Drive (NP8560)

Sager's Umbrella Protection Policy

- 30-Day Money-Back Guarantee. If the equipment does not work as promised, or if you are not fully satisfied, we will issue a full refund upon the return of all original equipment.
- 48-Hour Repair Promise. For the first 30 days, we'll repair or replace your computer within 48 hours, and we'll pay the 2nd day air return shipping charge.
- 72-Hour Repair Promise. For the rest of the 1-year warranty period, if it takes more than 72-hours to repair your computer, we'll pay 2nd day air return shipping charge.
- 1-Year Parts and Labor Limited Warranty.
- Lifetime Toll-Free Technical Support.

Umbrella Policy Applies to End Users in the United States of America and in Canada only and 48-Hour/ 72-Hour repair policies apply to hardware only. Software problems may take longer.

Extended Warranty Available

Check out this comprehensive package of service/support.

Special Pricing

Government, corporate and other special rates are available. Please call for details. GSA Contract # GS-35F-4168G

Business Leasing Available

Get your dream notebook with low monthly payments!

Sager Corporate Offices
18005 Cortney Court
City of Industry, California 91748
Tel: 626.964.8682, Fax: 626.964.2381
Hours: Monday-Friday 7:30a.m. - 6p.m.
Saturday 9a.m. - 3p.m. (PST)
American Express, VISA, MasterCard & Discover
Credit Cards Accepted - No Surcharge.
Cashiers Checks Welcomed.

©2001 by Modern Computer, Inc. All rights reserved. Intel, the Intel Inside logo and Pentium are registered trademarks. SpeedStep and Celeron are trademarks of Intel Corporation. All other company and/or product names mentioned herein are trademarks and/or registered trademarks of their respective companies. The DVD upgrade kit for Sager Notebooks is licensed through the CLEVO Company. All color LCD Display screens are simulated for artistic purposes. Prices and specifications are subject to change without notice. Opened software and shipping charges are non-refundable. 30-Day money back guarantee does not include freight or shipping and handling charge.

Notes: 1, 2, 3: CD-ROM, DVD-ROM, and CD-RW drives list a variable read rate. CD-RW write and re-write speeds vary and list only the maximum possible speed. Actual CD-ROM, DVD-ROM, CD-RW speeds will vary and are often less than the maximum possible speed. 4: Maximum Transmission speed of up to 53Kbps when downloading and 33.6Kbps when uploading data. Actual speeds may vary depending on line conditions and current FCC restrictions.

np 2260 v

- 14.1" XGA Active Matrix Display
- Intel® Pentium® III Processor 1.0GHz
- Integrated 4X AGP Graphics with 32MB Max. User Definable Share Memory Architecture
- 256MB 133MHz SDRAM
- 20.0GB Ultra DMA Hard Drive
- 8X Max. DVD-ROM Drive²
- Integrated 56K V90 Modem¹ + 10/100 Ethernet
- 3 Hot-Keys for E-Mail, Browser and API
- 256KB On-Die L2 Cache
- 3.5" 1.44MB Floppy Disk Drive
- 3D Surround Sound
- Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- 1 Type II PCMCIA Slot
- Infra Red, Wireless Fast IR Interface
- 1 IEEE-1394 Port and 1 TV-out Port
- Other Ports: 2 USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- A4 Size Windows® 95 Keyboard
- Microsoft® Windows® ME
- Deluxe Carrying Case
- Weight: 7.0 lbs with Battery
- 12.1" w x 10.0" d x 1.48" h
- Sager's Umbrella Protection Policy

\$1795

np 2260 s

- 14.1" XGA Active Matrix Display
- Intel® Pentium® III Processor 866MHz
- Integrated 4X AGP Graphics with 32MB Max. User Definable Share Memory Architecture
- 128MB 133MHz SDRAM
- 10.0GB Ultra DMA Hard Drive
- 8X Max. DVD-ROM Drive²
- Integrated 56K V90 Modem¹ + 10/100 Ethernet
- 3 Hot-Keys for E-Mail, Browser and API
- 256KB On-Die L2 Cache
- 3.5" 1.44MB Floppy Disk Drive
- 3D Surround Sound
- Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- 1 Type II PCMCIA Slot
- Infra Red, Wireless Fast IR Interface
- 1 IEEE-1394 Port and 1 TV-out Port
- Other Ports: 2 USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- A4 Size Windows® 95 Keyboard
- Microsoft® Windows® ME
- Deluxe Carrying Case
- Weight: 7.0 lbs with Battery
- 12.1" w x 10.0" d x 1.48" h
- Sager's Umbrella Protection Policy

\$1595

np 2260 c

- 13.3" XGA Active Matrix Display
- Intel® Pentium® III Processor 866MHz
- Integrated 4X AGP Graphics with 32MB Max. User Definable Share Memory Architecture
- 128MB 133MHz SDRAM
- 10.0GB Ultra DMA Hard Drive
- 24X Max. CD-ROM Drive¹
- Integrated 56K V90 Modem¹ + 10/100 Ethernet
- 3 Hot-Keys for E-Mail, Browser and API
- 256KB On-Die L2 Cache
- 3.5" 1.44MB Floppy Disk Drive
- 3D Surround Sound
- Smart Lithium-Ion Battery
- Built-In Touchpad Pointing Device
- 1 Type II PCMCIA Slot
- Infra Red, Wireless Fast IR Interface
- 1 IEEE-1394 Port and 1 TV-out Port
- Other Ports: 2 USB, 1S, 1P, Ext. Keyboard and Ext. CRT
- A4 Size Windows® 95 Keyboard
- Microsoft® Windows® ME
- Deluxe Carrying Case
- Weight: 7.0 lbs with Battery
- 12.1" w x 10.0" d x 1.48" h
- Sager's Umbrella Protection Policy

\$1395

www.sagernotebook.com



DESKTOPS

GATEWAY PERFORMANCE 1300

Pentium 4 Power Without the Premium

ISN'T COMPETITION WONDERFUL? THE PENTIUM 4 PROCESSOR WAS announced in November, and already you can buy Pentium 4 systems for less than \$1,600. Intel recently released the 1.3GHz Pentium 4 to help fill the gap between the 1GHz Pentium III and 1.4GHz Pentium 4. (Intel recalled the 1.13GHz Pentium III processor last September because of stability problems, and expects to relaunch it this spring.) One of the first desktops with this slightly slower Pentium 4 processor is Gateway's Performance 1300. Despite its moderate \$1,749 price, it offers some surprisingly powerful components.

Along with the 1.3GHz Pentium 4 processor, our review unit included 128MB of RDRAM, a 40GB Quantum Fireball hard drive, a Mitsubishi 48x CD-ROM drive, and an LG 12x/8x/32x CD-RW drive. We would have preferred to see a DVD drive in place of the rather pedestrian CD-ROM drive; that would make a more capable combination with the CD-RW drive. A 16x DVD drive is available for an additional \$100.

Unlike some other midprice systems, the Performance 1300 has a real graphics card in an upgradable AGP slot. The graphics card features the nVidia GeForce2 MX graphics processor with 32MB of SDRAM.

Unfortunately, the 17-inch monitor fell far short of the graphics card's capabilities. The Gateway-branded EV700 monitor can handle a maximum resolution of only 1,280x1,024 with a refresh rate of 60Hz. That refresh rate would quickly tire most computer users, so the top practical resolution is 1,024x768 at a much more comfortable 85Hz refresh rate. When you order this system, you may want to request a better monitor and pay the difference in price if you intend to run at a higher resolution.

The Performance 1300 performed reasonably well on our benchmark tests for a machine in its price class. But Gateway's decision to use nVidia's MX chip rather than the Ultra makes it less than ideal for

its intended market of homes and multimedia-based offices. Again, you could pay extra when you order and move up to an Ultra-based graphics card—or opt for a similarly priced 1.1GHz Athlon-based Select 1100 with the better-performing Ultra card. If you're intent on buying a Pentium 4, however, the compromise in graphics cards is a cost-effective solution.

Keep in mind that performance on typical business applications will not be significantly better on a Pentium 4 system than on a Pentium III at a slightly slower clock rate. The Pentium 4 includes the new SSE2 instruction set, however, which will speed performance on streaming data of the sort likely to be found on broadband Web video and many new games due out in the near future. If you're just

getting a system to do word processing, accounting tasks, or basic Web surfing, a Pentium 4 is likely to be major overkill, especially because it's considerably more expensive than its Pentium III- or Athlon-based counterparts. This is in part due to the Intel 850 chipset's use of relatively expensive Rambus memory; DDR or even ordinary PC133 SDRAM isn't yet available

with a Pentium 4.

With the CD-ROM, CD-RW, and floppy drives installed, the system's only front-accessible drive bay

is a single 3.5-inch bay. The full-size tower case also features two front-mounted USB ports, so you won't have to dig around back to plug in your favorite USB peripherals.

If you plan to use the Performance 1300 for games or music, you'll be pleased with the audio system. Our review unit came equipped with a Sound Blaster Live Value sound card that connects to a pair of Boston

Acoustics BA735 speakers with subwoofer.

Another strong plus is the three-year parts-and-labor warranty with one year of onsite service. Many comparably priced systems have a one-year warranty with no onsite service. And two extras Gateway includes are worth mentioning: One year of AOL service is included in the price, and the GVC V.90 modem doubles as a home-networking card.

The Gateway Performance 1300 is an excellent way to jump on the Pentium 4 bandwagon without having to max out your credit card. You won't get a lot of extras, but you also won't have to settle for substandard components. It's a reasonably configured system at an attractive price.

EDITORS' RATING 7.0

RATED 1 TO 10

DESIGN	7
EASE OF USE	7
FEATURES	6
PERFORMANCE	7
SERVICE AND SUPPORT	8
VALUE	7

- Fast 1.3GHz Pentium 4 processor; both CD-ROM and CD-RW drives; front-mounted USB ports; competitive price
- No-frills monitor; GeForce2 MX instead of Ultra graphics processor; no DVD-ROM drive

SYSTEM:

Gateway Performance 1300

COMPANY: Gateway

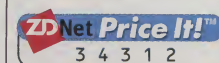
San Diego, CA

800-846-2000, 605-232-2000

www.gateway.com

AS TESTED: 1.3GHz Pentium 4; 128MB PC800 RDRAM; 40GB hard drive; 48x CD-ROM drive; 12x/8x/32x CD-RW drive; nVidia GeForce2 MX graphics card with 32MB SDRAM; 17-inch Gateway EV700 monitor; Sound Blaster Live Value sound card; Boston Acoustics Digital BA735 speakers; GVC V.90 modem; Windows Me; Microsoft Works Suite 2001; additional software

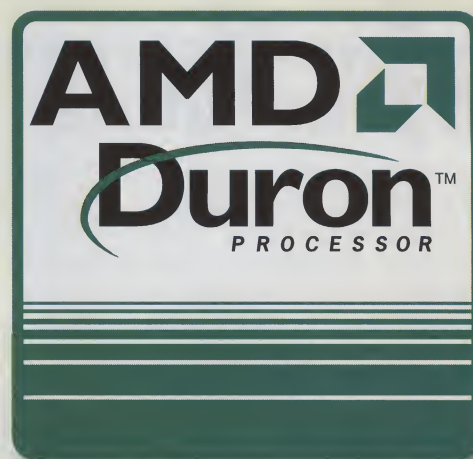
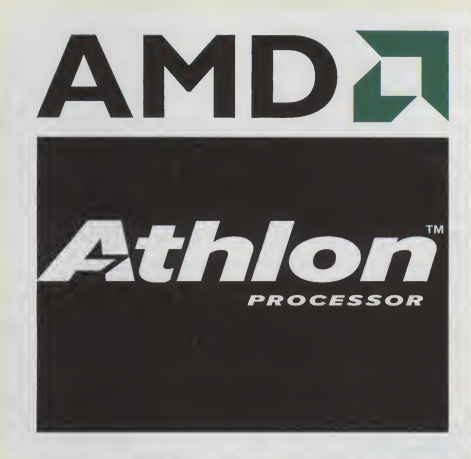
DIRECT PRICE: \$1,749



For real-time pricing, go to priceit.zdnet.com and enter number.



—David English

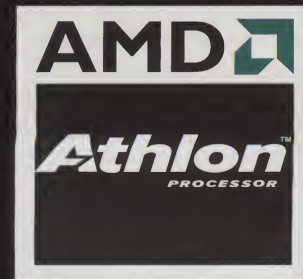


Shop the AMD showcase!

See the latest AMD Athlon and
AMD Duron processor-based systems.

Look for the green "Shop Smart"
AMD border for special offers from
our featured vendors.

Visit our website at www.amd.com for the latest benchmark information

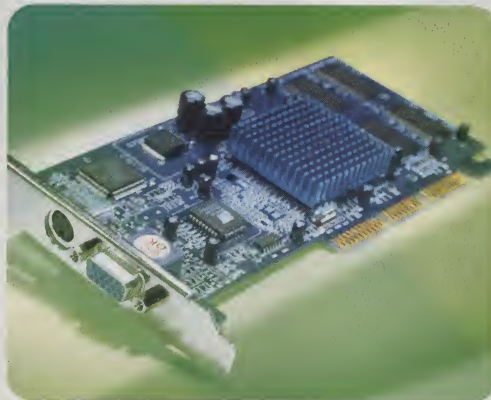


HARDWARE**HERCULES 3D PROPHET II
MX DUAL DISPLAY VIDEO**

Seeing Two Displays In Your Future

THE 3D PROPHET II MX DUAL DISPLAY VIDEO IS THE least expensive member of Hercules' trio of graphics cards based on nVidia GeForce2 chipsets. Notably, Hercules provides support in this card for simultaneous monitor and video output. But while the ability to surf the Web while watching a DVD disc on television is appealing, the card's 3D performance lags behind that of Hercules' GeForce2 GTS Pro- and Ultra-based accelerators.

Considering the \$500 or so you'd spend on many of the current high-end 3D graphics cards, the \$169.99 MX Dual Display Video is a relative bargain. It won't make you the fastest 3D gamer on the block, but the card is by no means slow. It pumped out 45.6 frames per second (fps) on our



Descent 3 Direct3D test—similar to other cards equipped with nVidia's second-generation GeForce graphics chip.

The 3D WinBench 2000 test suite treated the card less kindly. Tested at 1,024x768 resolution with a 32-bit palette on our 800MHz Dell Dimension B800r testbed, the MX Dual Display Video's 3D WinMark 2000 score of 74 was only 58 percent as fast as the GTS Pro-based version of the card and just 52 percent as quick as the Ultra-based version. The MX Dual Display Video's 2D-graphics performance was better: Its score of 330 on Business Graphics WinMark 99 was only two or three percentage points lower than the scores of those same cards.

Keep in mind that anything above 30fps is fine for normal game playing, and that the MX Dual Display Video also gives you 2D graphics competitive with higher-end cards. And don't forget that you also get support for DVD playback via the included PowerDVD software—assuming you have a DVD drive. The card does hardware MPEG-2 decoding, though it still consumes some CPU resources. As a result, on a 300MHz or slower machine you might encounter some dropped frames.

If you're looking for a lot of capability at a competitive price, however, the 3D Prophet II MX Dual Display Video is worth a look.

—Bill O'Brien

EDITORS' RATING 7.0

RATED 1 TO 10

FEATURES	8
SETUP AND CONTROLS	6
2D PERFORMANCE	8
3D PERFORMANCE	6
VALUE	7

- Competitive 2D-graphics performance; simultaneous TV and monitor output
- Slow 3D performance; only 32MB of memory; SDRAM, not DDR SDRAM

PRODUCT: Hercules 3D Prophet II MX Dual Display Video
COMPANY: Guillemot Montreal, Quebec, Canada
877-484-5536
www.hercules.com
MFR. EST. PRICE: \$169.99

3DNet Price It!
3 4 3 0 5

For real-time pricing, go to priceit.zdnet.com and enter number.

MYSMART PAD

Smart Mouse Pad Needs Rethinking

THESE DAYS, IT SEEMS EVERY NEW INPUT DEVICE and peripheral claims to give you a better, friendlier Internet experience, from Internet keyboards to Web-surfing mice to...programmable mouse pads? That's what Mysmart.com bills as the new solution for Web navigation. It's an interesting idea, but the product doesn't live up to its promise.

The \$19.95-direct Mysmart Pad links you to your favorite Web sites through programmable buttons, and the included Mysmart Card stores your passwords and billing information, much like the AutoComplete function in Internet Explorer. Also included is the Myassistant software and an interchangeable insert sheet, which changes the look of your mouse pad.

The buttons are grouped



into three categories. Nine can be programmed to launch your browser and take you to your favorite sites. The second group contains five preprogrammed buttons that will take you to Mysmart-maintained directories of sites. Six function buttons comprise the third group.

Installation was a breeze under Windows Me and 98, although some problems arose with Windows 2000—simply put, the Myassistant software wouldn't run. Although we were eventually able to fix the problem by disabling our firewall (broadband and corporate users take note), Mysmart.com's around-the-clock live-chat tech support was of little help.

After using the Mysmart Pad, you'll soon realize you've taken that good old foam-rubber mouse pad for granted. The thin plastic insert on the Mysmart Pad is too slick for your mouse to grip accurately. Even worse, the buttons are surprisingly difficult to push—so much for enhancing surfing.

Aside from being functionally and aesthetically inadequate, the one-press Internet-access idea has already been cornered by keyboard manufacturers. Microsoft and Logitech, for example, already offer keyboards with programmable buttons that don't sacrifice desk space or a USB port. The bottom line: Your old mouse pad isn't as bad as it seems.

—Boris Shekman

EDITORS' RATING 5.5

RATED 1 TO 10

DESIGN	5
FEATURES	5
INSTALLATION	7
VALUE	5

- Mysmart Card conveniently holds user settings and passwords
- Poor mousing surface; hard-to-push buttons

PRODUCT: Mysmart Pad
COMPANY: Mysmart.com Los Angeles, CA; 310-407-2686
www.mysmart.com
DIRECT PRICE: \$19.95

3DNet Price It!
3 4 3 0 7

For real-time pricing, go to priceit.zdnet.com and enter number.

SONY

Burns CDs. Plays movies on the big screen.

Streams stocks, scores, FM stations.

Stores your entire music collection. Edits home movies.

For the sake of brevity, maybe we should just tell you what it doesn't do.

VAIO EX

Prices start at just \$1,599*.

Buy now and get a free wireless modem from GoAmerica*.

*When you sign a 2-year contract with GoAmerica's wireless Internet service.

For your nearest retailer or to buy direct, call 888 539-VAIO. Or visit www.sony.com/vaio

Includes Windows® Millennium Edition - the home version of the world's favorite software.

Top models include: Pentium® III Processor 850MHz* featuring Intel® SpeedStep™ Technology²

30GB³ HD | Ethernet

15" SXGA TFT screen | 128 MB SDRAM

30GB³ HD | Ethernet

HARDWARE

OLYMPUS C-211 ZOOM

Instant Prints for A Princely Sum

IT SEEMS AN INSTANT-GRATIFICATION MATCH MADE in heaven: Olympus America's \$599 C-211 Zoom marries a digital camera with a Polaroid instant printer. However, this camera/printer combo is big and heavy, and you can get a better camera and a better printer for about the same amount of money.

The camera is a decent 2.1-megapixel point-and-shoot model capable of capturing 1,600x1,200-resolution images at its highest setting. The unit lacks an optical viewfinder, however, so you must use the 2-inch LCD to compose your shots. It also lacks rechargeable batteries or an AC adapter, and comes with only 8MB of SmartMedia removable memory, enough for just one uncompressed image.

After shooting, you switch to Play mode to choose an image to print, then shift to Print mode. Hit two buttons,



and your print comes out and develops in a minute or two.

The printer will be familiar to anyone who has used a Polaroid instant camera. The images aren't the standard 3x3-inch prints of most Polaroids, however; they're 4.5x2.5-inch Type-500 prints, with a smaller actual image size of 2.8x2.1 inches. The film comes in 10-packs that cost about \$10.

The C-211 does offer three advantages over standard Polaroid instant cameras: You can choose which shots to print, you can make multiple prints, and you can make basic image-correction adjustments before you print. Still, the results aren't something you'd want to frame. They're smooth, continuous-tone prints, but at only 210dpi resolution. This instant output is good for parties and some business uses—insurance or real estate, for example—but not for photo albums. You could transfer the images to a PC for editing and printing, but that defeats the whole purpose of this camera.

Unless your day-to-day work would benefit immediately from the combination of digital photography and instant prints, we'd recommend waiting for the next generation.

—Paul Worthington

EDITORS' RATING 6.3

RATED 1 TO 10

DESIGN.....	5
EASE OF USE.....	8
FEATURES.....	6
IMAGE QUALITY.....	7
PERFORMANCE.....	7
VALUE.....	6

Unique combination of digital camera and instant printer, 3x optical zoom, easy operation. Big and heavy; no optical viewfinder; expensive prints, considering quality; lacks high-end features standard in cameras in this price range.

PRODUCT:

Olympus C-211 Zoom

COMPANY: Olympus America

Melville, NY; 800-622-6372

www.olympusamerica.com

MFR. EST. PRICE: \$599

3DNet Price It!
3 4 3 0 8

For real-time pricing, go to priceit.zdnet.com and enter number.

CD CYCLONE CDREVO CD-RW 4/4/32

Easy CD Burning For Laid-Back Users

AN EXTERNAL CD BURNER THAT CONNECTS VIA A PC's USB port, CD CyClone's \$229 CDRevo CD-RW 4/4/32 is easy to install and use, and works with both PCs and Macs.

Although it's billed as a portable drive, the 4-pound CDRevo weighs as much as many subnotebooks. Because of this, it's better suited for an office environment where it can be moved from one PC to another. Like the iMac, it has a convenient carrying handle on the back, although we found that the handle makes it tricky to access the audio-out RCA connectors. (A headphone jack and volume dial are on the opposite side.)

The CDRevo's best feature is its easy installation. Once you've installed the drivers, simply attach the USB cable, power up the drive,



and your PC will automatically assign it a new drive letter. The CDRevo also supports all standard CD formats, and ships with CD-burning applications for both PCs (Ahead's Nero 5.0) and Macs (Roxio's Toast 4 Standard).

Despite its 4x/4x/32x (write/rewrite/read) speed rating, the CDRevo's weak point is its sluggish record and rewrite performance. On our performance tests, it required 19 minutes and 50 seconds to copy a 623MB file. By comparison, the 12x/10x/32x Ricoh

MediaMaster MP7120A, one of the fastest internal drives around, handled the same task in 6 minutes and 36 seconds. To be fair, CD-RW drives in general are limited by the USB interface, which has a theoretical limitation of 12mbps. Until USB 2.0 arrives with its 480mbps transfer rate later this year, no USB-based drive can achieve a read or write speed in excess of 8x to 10x.

Ideally, we'd like to see a portable CD-RW drive that was a bit smaller and lighter, and a lot faster. But until the technology exists, the CDRevo offers an effective alternative to an internal CD-RW drive.

—Dean Mermell

EDITORS' RATING 7.0

RATED 1 TO 10

FEATURES.....	6
INSTALLATION.....	8
PERFORMANCE.....	7
VALUE.....	7

Plug-and-play USB installation; interoffice portability; Mac and PC compliant. Poorly designed case; slower than internal drives or external IEEE 1394 (FireWire) CD-RW drives.

PRODUCT:

CD CyClone

CDRevo CD-RW 4/4/32

COMPANY: CD CyClone

Duplication Systems

Tustin, CA; 714-247-0099

www.cdyclone.com

MFR. EST. PRICE: \$229

3DNet Price It!
3 4 3 4 6

For real-time pricing, go to priceit.zdnet.com and enter number.

SECTION CONTINUES ON PAGE 72

SONY

Top models include: Pentium® III Processor 750MHz² featuring Intel® SpeedStep™ Technology³
CD-RW and DVD-ROM drives | Multimedia dock | 14.1" XGA LCD TFT screen | i.LINK¹ | i.LINK¹

So many features, so thin.
No wonder other notebooks hate it.



VAIO XG

The Sony VAIO® XG has a hot-swappable multi-bay so you can switch between DVD or CD-RW drive, extra hard drive, or battery. Edit movies with i.LINK® (IEEE 1394)¹ interface, plus Sony's DVgate™ and MovieShaker™ software. The XG frees your creativity, without giving you a workout using it.

Prices start at just \$2,499⁵. Includes multimedia dock. And CD-RW⁶.

Buy now and get a free wireless modem from GoAmerica*.

*When you sign a 2-year contract with GoAmerica's wireless Internet service.

For your nearest retailer or to buy direct, call 888 743-VAIO. Or visit www.sony.com/vaio

Includes Windows® Millennium Edition - the home version of the world's favorite software.



©2001 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Prices, specifications and promotions are valid only in the U.S. and are subject to change without notice. Sony is not responsible for typographical or other errors in this ad. Prices and promotions do not include applicable sales tax or shipping and handling. Sony VAIO, DVgate, MovieShaker, i.LINK, and SpeedStep are trademarks of Sony. Intel, the Intel Inside logo and Pentium are registered trademarks of Intel Corporation. i.LINK is a trademark of Intel Corporation. All other trademarks are trademarks of their respective owners. 1 i.LINK is a trademark of Sony used only to designate that a product contains an i.LINK connector. All products with an i.LINK connector may not communicate with each other. 2 MHz denotes microprocessor internal clock speed; other factors may affect application performance. 3 The processor may be reduced to a lower operating speed when operating on battery power. 4 GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. 5 After mail-in rebate. 6 CD-RW drive. *Offer valid with the purchase of an eligible Sony VAIO notebook PC and enrollment in GoAmerica's wireless Internet service plan. Valid 12/1/00 - 7/31/01 and in the U.S. only. Other restrictions apply. See website for details.

Safeware®
The Insurance Agency, Inc.
Are you sure you're insured?

You just put him in safeguarding over company's comp



He'll worry about:

- Security and Maintenance playing virtual games via the intranet.
- Accounting playing poker with an on-line casino.
- The CFO's son using Marketing's software for his art class project.
- Purchasing running an E-tail business with your inventory.
- Protecting your network from the Virus Du Jour.
- Teenage hackers breaching your firewall.

**Visit our website @
www.safeware.com
or call: 1-800-800-1492**
for complete details, including limitations and exclusions.

charge of maintaining and \$250,000 worth of your er equipment...



We'll worry about:

- Accidental Damage
- Theft
- Power Surges
- Fire
- Vandalism
- Natural Disasters

Don Strejeck, President
Safeware®, The Insurance Agency, Inc.

He has enough to worry about.

Why make his job any harder?

Whether your business uses one or one hundred computers, Safeware® offers comprehensive insurance policies custom-made to meet your business needs. Safeware's policies cover repair or replacement of your computers with no deduction for depreciation and at very reasonable rates. Safeware®, The Insurance Agency, Inc., a leader in the computer insurance industry, has issued coverage for more than \$1.6 billion worth of computer hardware, media and software.

SW11989-0301 jaao
Safeware
©2001 Assurant Group

HARDWARE**PHILIPS 107T**

Straight-Up Value In a Flat Display

THIN MAY BE IN, BUT FLAT IS WHERE IT'S AT. FLAT-face CRT monitors reflect less glare than typical curved-face CRTs, delivering a sharper image across the screen.

Philips Consumer Electronics' \$229.99 107T 17-inch monitor is an affordable and capable entry into the world of flat.

The 107T isn't packed with extra features. You won't find speakers, a microphone, or USB ports built in. The onscreen controls are extensive, however, allowing for adjustments such as pincushion and rotation. The 16.5-inch-deep monitor has a 16-inch viewable area (diagonally measured) and a fine 0.25mm-dot-pitch shadow-mask tube.

We tested the image quality at a range of resolutions using



software from DisplayMate (www.displaymate.com). At 1,280x1,024 (SXGA) resolution, the refresh rate was a flickering 60Hz; fine vertical lines didn't display properly, possibly due to insufficient bandwidth, and we observed moiré interference patterns that could not be eliminated. The problems we encountered during testing at 1,280x1,024 are not unusual; most monitors have insufficiently fine dot pitch (or stripe pitch) to handle this resolution well.

The 107T is much better suited to 1,024x768 (XGA). At that resolution, the refresh rate was a flicker-free 85Hz, and we tweaked away the faint moiré patterns using the onscreen controls. Convergence was excellent, with no obvious flaws, and color tracking—the ability to show shades of gray without some shades appearing tinted—was also excellent. Lower-resolution images also displayed at 85Hz, and from 800x600 (SVGA) on down, the 107T's image was rock-solid.

The Philips 107T won't wow graphics professionals, but if you want a flat-face CRT at a good price—and also need strong performance at 1,024x768—it's an excellent choice.

—Alfred Poor

EDITORS' RATING 7.0

RATED 1 TO 10

DESIGN	7
FEATURES	5
IMAGE QUALITY	7
SETUP	8
VALUE	8

Excellent convergence; wide range of controls; attractive design.

Minimal paper documentation; no USB support standard; substandard image quality at 1,280x1,024.

PRODUCT: Philips 107T
COMPANY: Philips Consumer Electronics of North America
Atlanta, GA; 877-835-1838
www.pdstuff.philips.com
MFR. EST. PRICE: \$229.99

ZD Net Price It!
3 4 3 0 6

For real-time pricing, go to priceit.zdnet.com and enter number.

RAYLINK WIRELESS NETWORKING**NETWORKS**

Cut Out the Wires On Your Network

RAYLINK'S WIRELESS NETWORKING PRODUCTS consist of a series of network adapters—PC Card (\$99), USB (\$79), PCI (\$69), and even ISA (\$39)—along with an access point (\$399). Together, they allow wireless connectivity and let you merge your wireless network with an existing Ethernet network. Rated for distances of 1,000 feet (line-of-sight) and 500 feet in environments obstructed by walls, cubicles, or floors, the products work together to provide a solid wireless package.

After installation, you must choose which of the two types of wireless networks you want. Ad hoc WLANs, the simplest, connect together two or more

PCs but do not communicate with an external Ethernet LAN. Infrastructure WLANs interconnect a wireless network with an existing wired network.

For an ad hoc WLAN, you need only the adapters, but for an infrastructure WLAN, you need an access point to plug into the wired network. The Raylink products provide a hybrid type called Adhoc_after_Infrastructure, which tells the adapter to try to connect to an infrastructure network first and to join or start an ad hoc network if it cannot.

Raylink's adapters have a hinged antenna that is both sturdy and highly functional. In testing, the products covered roughly half or a bit less of the advertised 500-foot obstructed-environment distance, but we expected such a result. (Most ratings assume ideal conditions.)

That coverage makes the product worth consideration, because within that range, the signal was consistently strong.

Raylink's wireless solution is solid, with an excellent PC Card design and a good access point, making it a worthy competitor in the wireless networking market.

—Neil Randall

**EDITORS' RATING 6.8**

RATED 1 TO 10

DESIGN	8
FEATURES	7
INSTALLATION	6
VALUE	6

Hinged antenna; access point supports Adhoc_after_Infrastructure network type; strong signal at supported distances; consistent file-transfer speed; good documentation.

Setup procedures for different versions of Windows vary; huge power supply.

PRODUCT: Raylink Wireless Networking
COMPANY: Raylink
Baldwin Park, CA
800-457-6811, 626-336-1133
www.raylink.com
MFR. EST. PRICE: \$597 (for access point and two PC Cards)

ZD Net Price It!
3 4 3 4 8

For real-time pricing, go to priceit.zdnet.com and enter number.

Tiny Computers

direct to you!

SAVE \$400 after rebates

INSTANT POWER MAXIMUM SAVINGS



REBATE SPECIALS
\$200 Tiny Rebate on Selected Systems & \$200 MSN Internet Rebate on Selected Systems when you take out a 2 Year Agreement

Tiny Athlon™ 1.2GHz^{TS13}

- 1.2GHz AMD Athlon™ Processor
- 256MB 133MHz SD RAM
- 40GB Ultra DMA 7200RPM Hard Disk Drive
- 17" Color Monitor (15.8" Display)
- 32MB nVidia™ GeForce II MX 4X AGP Graphics Card
- Creative Labs Soundblaster 128 Sound
- Altec Lansing Subwoofer & 2 Satellite Speakers
- 12X DVD ROM Drive compatible with CD
- 8x4x32 CD Rewriteable/Recordable Drive Writer Software
- 56K Modem with V.90 Standard Compatibility
- 10/100 Realtek Network Card
- Includes Microsoft® Windows® Me™ - the home version of the world's favorite software
- Includes Microsoft® Works Suite 2001
- GameOn! Family Game Pack
- Tiny Joypad

was ~~\$1749~~
NOW \$1349
after rebates

3 Platinum
year on-site
service upgrade
only \$249

Performance Notebook 1.0GHz^{TNS}

- Intel® Pentium® III Processor 1.0GHz
- 256MB Fast SD RAM
- 20GB Ultra DMA Hard Disk Drive
- 14.1" TFT Color Display
- Integrated AGP Graphics
- DVD ROM Drive
- Internal 56K Modem
- PCMCIA 10/100 Network Card
- CardBus Slots (2 Type II or Type III PCMCIA slots)
- USB Ports
- S-Video TV Out Port
- Lithium Ion Battery
- Includes Microsoft® Windows® Me™ - the home version of the world's favorite software
- Includes Microsoft® Works Suite 2001
- Free Silver Carry Case
- GameOn! Family Game Pack
- Logitech QuickCam



was ~~\$2199~~
NOW \$1799
after rebates

3 Year
Notebook
Diamond
Warranty
\$199

NOTHING TO PAY FOR
6
MONTHS

VISIT US AT www.tinydirect.com

CALL TOLL-FREE NOW 1-877-900-9021
TO ORDER

Upon credit approval, we can offer a low interest rate of 14.99% APR, and no payments for 6 months. Interest will be assessed on the amount financed from the original date of purchase. Please contact your nearest showroom for details. *No interest, no payments for 90 days available. Ask for details. We honor your Visa, MasterCard, Discover and American Express cards as well as your personal check. Prices and specifications valid only in the US and subject to change without notice. Please check availability before ordering. The systems and software displayed are for illustration purposes only and may not be exactly as shown. For a complete copy of Terms and Conditions, please write Tiny Computers Inc. 6704 Tacoma Mall Blvd, Suite 111, Tacoma WA 98409. On-site service provided pursuant to a service contract. May not be available in certain remote areas. Technician dispatched if necessary pursuant to phone-based troubleshooting. If non-Tiny additions to your system are found to be the cause of the reported problem, a service charge may be applied. Modem speeds may vary depending on line conditions. Analog phone lines and compatible server equipment required. Since third party manufacturer warranties may vary from product to product, consult your documentation for specific warranty information. All trademarks are the property of respective companies. Certain terms and conditions apply to goods. Finance subject to status. Intel, Pentium and Intel Inside logo are registered trademarks; Celeron is a trademark of the Intel Corporation. Microsoft, MSN, Windows and IntelliMouse are registered trademarks of Microsoft Corporation. Prices exclude delivery and tax. All rights reserved. E&OE.

*Details of the MSN Mail-In Rebate Program for Tiny Computers, Inc. The MSN Mail-In Rebate program requires: (1) the purchase of eligible computers with a total purchase price in excess of the selected rebate amount from Tiny Computers Inc. between March 1, 2001 and June 30, 2001; (2) selection of a 24 month subscription to MSN Internet Access (\$200 rebate) or 9 month subscription (\$75 rebate) at the rate of \$21.95 per month plus applicable taxes; (3) sign up for a new unlimited MSN Internet Access account between March 1, 2001 and June 30, 2001; (4) receipt by MSN of the original completed mail-in rebate form and copy of the purchase receipt within 30 days of your purchase; (5) a valid major credit card; and (6) acceptance of the MSN Internet Access membership agreement. If you do not continue as a member for the required period of time, you will be required to pay MSN a termination fee equal to 75% of the monthly service fee multiplied by the number of months remaining in your membership period. This MSN Mail-In Rebate program is available only to residents of the 50 United States, the District of Columbia and Puerto Rico. You must be 18 years old or older to qualify for the MSN Mail-In Rebate program. MSN reserves the right to modify or withdraw this promotion at any time. MSN Internet Access is available only for personal non-commercial use. Local phone and/or long distance toll charges may apply. It is the customer's responsibility to check with a local phone company to determine if access numbers are local. Local market network activity and capacity may affect access availability. Microsoft, MSN and the MSN logo are either registered trademarks or trademarks of Microsoft Corporation in the United States or other countries. See store for details.

The Best On-Line Computer Superstore!!!

dataVis.com

1-888-888-2087

Open 7 Days

Monday Thru Saturday 8:30 - 8:00 PM
Sunday 9:30 - 7PM

DATAVISION²⁰⁰⁰
COMPUTER VIDEO INC.
"The Intelligent Superstore"®

All Major Credit Cards accepted. Overnight delivery guaranteed. We accept PO's with approved Credit. Guaranteed Lowest prices. Call for up-to-date Pricing.

30,000 Sq Ft on 3 Levels of Savings. We carry Hardware, Software, Peripherals, Camcorders, DVDs, TVs, Electronics...

Mobility ,power & style... redefined.

SONY VAIO

VAIO 505 SuperSlim Pro NoteBooks

**HOT
New
Models**

PCG-R505TE

- Intel® Pentium III® 750MHz
With SpeedStep
- 12.1 XGA TFT •64MB/15GB
- 56K.V90 •10/100
- i.LINK™ •Lithium Ion
- 11 MB SDRAM
- MagicGate™ & Memory Stick Slot**
- Windows Me •3.7 Lbs



\$2499

PCG-R505TEK Windows 2000....\$2599

PCG-R505TS

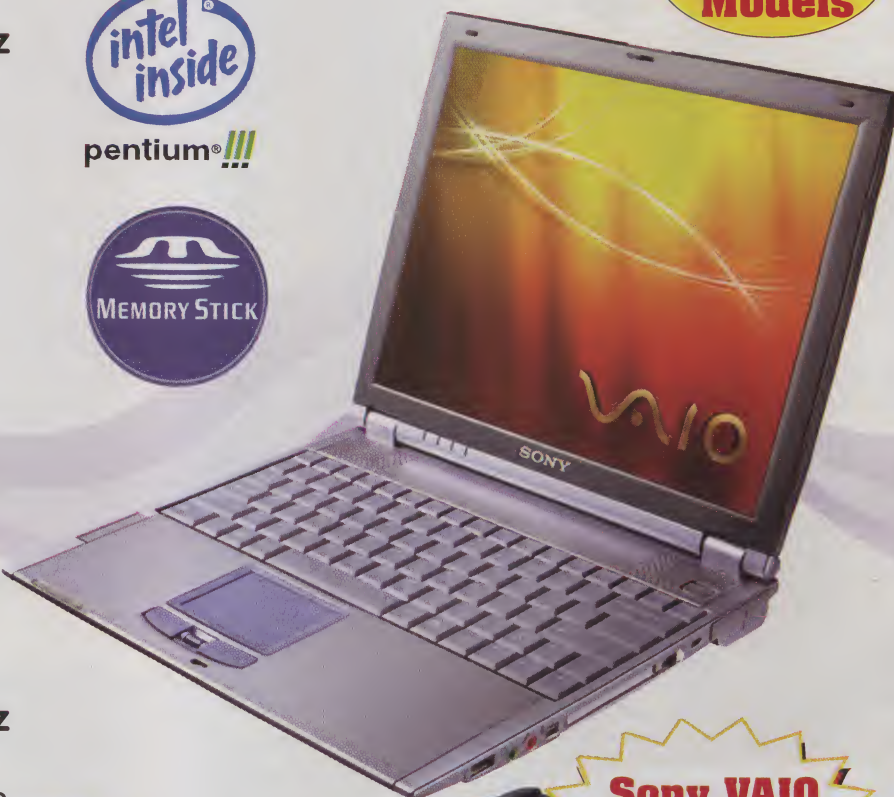
- Intel® Pentium III® 850MHz
With SpeedStep
- 12.1 XGA TFT •128MB/20GB
- 56K.V90 •10/100
- Lithium Ion •i.LINK™
- 11 MB SDRAM
- MagicGate™ & Memory Stick Slot**
- Windows Me •3.7 Lbs



First Slim Notebook to convert into a all-in-one Notebook.

\$2999

PCG-R505TSK Windows 2000....\$3099



**Sony VAIO
SlimDock™
Optional**

New

SlimDock™ includes: iLink, 2-USBs, Serial, Parallel, Ethernet, VGA, & DC-In. No AC required. Less than 1' thin & about 1.9Lbs
PCGADSM5 SlimDock 8X-DVD/ 8X4X24X CD-RW.....\$599
PCGADSD5 SlimDock 8X-DVD.....\$399

445 5th Ave @ 39th Street, New York, NY 10016. Tel: (212)-689-1111 Fax: (212)-689-1743

All companies listed in this ad are subject to Federal Copyright rules. These offers cannot be combined with each other, or with any other offer. Prices valid only through this corresponding magazine issue. Orders subject to verification & acceptance. Not responsible for pictorial or typographical errors. Some quantities may be limited. All add-on promotions must be purchased on the same invoice. City of New York Department of Consumer Affairs license Numbers 0937294/0928357/0928356. Any refunds or exchanges must be made within 14 days of purchase. Minimum of 5% restocking fee. Shipping & handling fees non-refundable. All returns must be in original condition w/ original packaging 7blank warranty cards. Any hardware registered on-line by a consumer will be returned for repair only.

All Major Credit Cards accepted. Overnight delivery guaranteed. We accept PO's with approved Credit. Guaranteed Lowest Prices. Call for up-to-date Pricing.

30,000 Sq Ft on 3 Levels of Savings. We carry Hardware, Software, Peripherals, Camcorders, DVDs, TVs, Electronics...

PCG-FX190 SONY VIO PCG-FX120

- Intel® Pentium III® 850MHz
- 15" SXGA TFT (1400X1050)
- 128MB/30GB
- DVD/CD-RW
- 11MB SGRAM
- 56K V.90
- i.LINK™
- 10/100 /Lithium Ion..

FREE
64MB
W/ Any
F Series



intel inside
pentium III

- 13.3" TFT XGA
- 64MB/10GB
- 8XDVD Drive
- 11MB SGRAM
- 56K V.90
- i.LINK™
- Jog Shuttle
- Lithium Ion..

\$3299 After \$100 Mail-In Rebate **FREE HP Printer**

PCG-FX140 PII 700 128/10GB 8XDVD 56K 14.1" XGA TFT 10/100...\$1899A/R
PCG-FX150 PII 750 128/20GB 8XDVD 56K 15" XGA TFT 10/100...\$2199A/R
PCG-FX170 PII 800 128/20GB 56K 15" XGA TFT DVD/CD-RW...\$2799A/R
FX Series with WIN 2000 Cost \$100 More
PCG-XG700 PII 700 128/20GB 56K 14.1" TFT DVD/CD-RW & Dock \$2899A/R
PCG-SR17K Ultra Thin PII 700 128/20GB 56K 10.4" XGA TFT...\$1899 A/R
PCG-C1VN Crusoe 600 128/12GB 56K 8.9" XGA TFT 56K w/ camera...\$2099

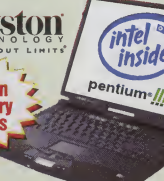
SONY Picture Book

PCG-C1VN
Transmeta™ Crusoe™ Processor
TMS600 600MHz
8.9" UWXGA (WIDE)
128MB/12GB HD
56K V.90 Modem
Memory Stick Slot
Built-in CCD Camera
i.LINK™ (IEEE-1394)
Jog Dial- 2.2 lbs. 1" thin
\$2099
Up to 8 1/2 Hrs Of Mobile Use

12XL510 COMPAQ PRESARIO 12XL505

- Intel® Pentium III 750MHz
- 14.1" TFT Display
- 128 MB/15GB
- 8MB Video RAM
- 8XDVD-ROM
- 56K V.90 Modem

Kingston
TECHNOLOGY
COMPUTING WITHOUT LIMITS
Full Selection of memory upgrades



- Intel® Celeron® 766MHz
- 13.3" TFT Display
- 128 MB/10GB
- 8MB Video RAM
- 8XDVD-ROM
- 56K V.90 Modem

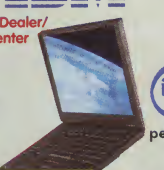
\$1799 After \$100 Mail-In Rebate **\$1499** After \$100 Mail-In Rebate

12XL500 C 750 13.0" HPA 64/6GB 24X CD 56K...\$1199 A/R
18XL500 PII 800 15" TFT 128/20GB 8XDVD / 56K...\$2099A/R
17XL470 PII 800 14.1" TFT 128/20GB DVD/CD-RW 56K...\$2299
18XL490 PII 1GHz 15" TFT 128/20GB 8XDVD 56K iNIC...\$2699

ThinkPad T21 IBM ThinkPad A21P

- Intel® Pentium® III 850MHz Processor
- 14.1" XGA TFT
- 128MB/32GB HD
- 8X DVD-ROM
- 56K 10/100

intel inside
pentium III



intel inside
pentium III

- Intel® Pentium® III 850MHz Processor
- 15" XGA TFT
- 128MB/32GB HD
- 8X DVD-ROM
- 56K 10/100

In Stock

All Thinkpad Models & Full Selection of Batteries, & notebook accessories **In Stock!**
A21M PII 800 64/20GB 56K 14.1" TFT DVD...Call
X20 PII 600 128/20GB 56K 12.1" TFT Ultra Slim...Call

B-2175 BSeries ESeries E-6555

- Intel® Celeron® 500MHz
- 10.4" TFT Touch Screen
- 128MB/10GB HD
- CD-RW 56K V.90
- All-in-One Design
- 3.5" USB Floppy
- 10/100 /Lithium ion

intel inside
celeron



intel inside
celeron

- Intel® Pentium® III 650MHz
- 14.1" XGA TFT
- 64MB/10GB HD
- 8XDVD 56K V.90
- All-in-One Design
- 10/100 Ethernet
- Lithium Ion

\$1999 **FREE HP Printer** **\$1499**

E-6575 PII 750 128/10GB 8XDVD 56K 14.1" XGA...\$1799
E-6595 PII 850 128/20GB 8XDVD 56K 14.1" XGA...\$2299
S-4546 PII 600 128/10GB 8X DVD 56K 14.1" XGA...\$2199
I-4190 C 600 64/6GB CD-RW 56K 12.1" SVGA TFT...\$1299

Satellite 2805-S202 TOSHIBA Satellite 2805-S402

- Intel® Pentium® III 700MHz Processor
- 14.1" Active matrix
- 128/10GB HD
- 8X DVD-ROM
- 56K Win Me

intel inside
pentium III



intel inside
pentium III

- Intel® Pentium® III 850MHz Processor
- 15" TFT Display
- 128/20GB HD
- DVD/CD-RW Drive
- 56K Win Me

\$1699 **FREE HP Printer** **\$2599** **FREE HP Printer**

2805-S302 PII 750 128/20GB 8XDVD 56K 14.1" TFT 10/100...\$1899
1755CDS C 700 64/10GB 8XDVD 56K 13.3" TFT Win Me...\$1299
1735CDS C 700 64/10GB 24X CD 56K 13.3" DSTN Win Me...\$1099
7220Cte PII 650 64/12GB 24X Optional 56K 13.3" TFT...CAN
3490Cte PII 700 128/20GB 24X Optional 56K 11.3" Active...CAN
8200 PII 850 256/20GB 8XDVD 56K 14.1" XGA TFT 10/100...CAN

Introducing the Palm™ m500 series Available April 2001

- m500**
 - New, high-contrast monochrome display
 - 8MB Memory
 - 4MB flash ROM
 - 33 MHz processor**\$399**
- m505 Color**
 - New, reflective color LCD
 - 16bit* •65k+ color support
 - 8MB Memory
 - 4MB flash ROM
 - 33 MHz processor
 - New icon lighting**\$449**

The Apple® Shop. PowerBook Titanium G4

- 400MHz PowerPC G4
- 1MB L2 cache
- 128MB/10GBHD
- 15.2" TFT display
- DVD-ROM
- 10/100 •56K
- 2USB/1FireWire port

\$2594 In Stock Now

Canon PowerShot S100 DIGITAL ELPH

- The world's smallest most compact 2 megapixels camera
- 2.11 Megapixel CCD
- 2X Op. •4X Dig.
- USB interface & NTSC video out.
- G1 3.3 Megapixels 3X Zoom USB

\$449

SONY DSC-P1

- 3 megapixel imager
- 3 x optical zoom
- crisp 1.5" LCD
- InfoLithium battery

\$749 A/R

DSC-S30 1.3M pixel 3X/6X Z (FREE 16MB) \$349A/R
DSC-S50 2.1 MPix/Mpeg-AV out (FREE 16MB) ...\$549A/R
DSC-S70 3.3 MPix 3X Zoom USB (FREE 16MB) ...\$749A/R
MVC-CD1000 CD-R camera 2.5" LCD 10X/20X Zoom...\$1299

HP CD-Writer 8230e

- External USB CD-ReWriter
- 4XWrite 4XReWrite 6XRead
- Installs quickly & easily
- Includes CD creation, musicmatch juke box, Win 95/98/NT/2000

\$199

9350i CD-W10X4X32 Internal SCSI CD-RW...\$179

HP Pavilion Notebook PC 5340

- Intel® Pentium® III 800MHz
- 14" TFT Display
- 128MB •15GB
- 8XDVD Drive
- 56K Lith Ion

\$1699

5310 C 750 128/10GB 56K 13" TFT DVD NIMH...\$1299 A/R
5350 PII 800 128/20GB 56K 15" TFT 8XDVD...\$1899 A/R
5390 PII 850 256/20GB 56K 15" TFT DVD 10/100...\$2199A/R

One-Touch Information Access Supplied with dock

- 8MB Storage •Advanced LCD
- 10,000 Add. •400 e-mails
- 5 Year appointments...

\$199

Palm IIIc Color Palm pilot 8MB W/ dock & rechargeable batt...\$299
Palm Vx Wireless Internet, Receive Send e-mail, WebInfo...\$349
Palm Vix 8MB 10,000 Addrs 5 yrs appointments 400 emails...\$299 A/R
Palm m100 2MB Handheld organizer...\$149

SONY Datavision® Exclusive The First Handheld w/ Memory Stick™

- PEG-S300 CLIE HANDHELD
- OS: Palm OS
- 8 MB, 2MB (Flash); 8MB (Memory Stick™)
- Jog Dial™ Navigator
- 120g with (stylus)

\$299 **FREE Leather Case** All Accessories In Stock!

Incredibly thin, fast and infinitely expandable.

VISOR Edge™

- 8MB Storage capacity
- 16 shades of greys
- Rechargeable Lithium Ion
- Palm OS 3.5.2H
- Metallic Blue or Silver
- Microphone

\$399

Visor Platinum 8MB 50% faster than Deluxe...\$299
New Visor Prism Color handheld PDA...\$429
Visor Deluxe 8MB handheld PDA with cradle...\$199A/R
Visor Graphite 2MB Handheld PDA w/ cradle...\$169

Full Selection of Handspring Accessories In Stock Now!

iPAQ™ H3635 Pocket PCC

- Windows Pocket PC
- Pocket Word & Excel, Pocket Internet Explorer, Calendar, Contacts, Tasks...
- Color TFT screen
- View E-mail with CompacFlash expansion slot adapter & 32MB

\$599

iPaq 64MB Compaq Flash Card...\$199
iPaq Auto Adapter Kit...\$59
iPaq 56K Modem Compact Flash Card...\$159

SONY VPL-CS2

- Superlight Ultra-Portable
- 600 ANSI Lumen Brightness
- Composite video, S video, Y/Cb/CrRGB
- Advanced Auto Pixel alignment
- Super VGA 800X600

\$2099

Full Selection of all Name brand projectors In Stock Now!

All companies listed in this ad are subject to Federal Copyright rules. These offers cannot be combined with each other, or with any other offer. Prices valid only through this corresponding magazine issue. Orders subject to verification & acceptance. Not responsible for pictorial or typographical errors. Some quantities may be limited. All add-on promotions must be purchased on the same invoice. City of New York Department of Consumer Affairs license Numbers 0937294/0928357/0928356. Any refunds or exchanges must be made within 14 days of purchase. Minimum of 5% restocking fee Shipping & handling fees non-refundable. All returns must be in original condition w/ original packaging 76lb warranty cards. Any hardware registered on-line by a consumer will be returned for repair only.

445 5th Ave @ 39th Street, New York, NY 10016. Tel: (212)-689-1111 Fax: (212)-689-1743

MOBILE

TOSHIBA TECRA 8200

Wireless Wonder, Whopping Price

CLEARLY GUNNING FOR THE CORPORATE WIRELESS-CONNECTIVITY market, Toshiba delivers the Tecra 8200 with built-in networking support to keep you tapped into the company LAN. Business users will also be pleased with the high-end features offered in this relatively lightweight notebook—along with several special promotions Toshiba has designed to attract IT buyers. However, this Tecra doesn't quite deliver the performance or battery life necessary to justify its high sticker price. At \$3,499, it takes a big bite out of the IT budget.

The IEEE 802.11b wireless networking standard—which allows users to remain connected to the company LAN as they roam untethered around the office—has quietly become a commonplace option on corporate systems from first- and even second-tier vendors. Centering the whole Tecra 8200 marketing strategy around wireless connectivity, including optional Bluetooth compatibility, Toshiba has developed some creative promotions designed to entice corporate clients to try the new technology. The “Go Wireless. Guaranteed” initiative, for example, offers discounts on up to eight Tecra 8200 systems and the optional LAN access points required to set up a wireless network, as well as on installation.

Best of all, corporate customers can take advantage of a 30-day money-back guarantee should the hardware not meet their requirements. The “Bluetooth Meeting” and “Five Ways to Connect” promotions, which continue through September 1, offer similar discounts on a range of products and services, as well as free trials.

With all this lending out of notebooks, it's no wonder that Toshiba partnered with automaker Toyota to design the Tecra's metallic-finish, hard-plastic lid to withstand scratching. The three-tone lid also features a built-in antenna that, Toshiba claims, provides better omnidirectional reception than the standard side-mounted models featured on competing systems. This specialized hardware is complemented by Toshiba's proprietary wireless client-management utility, which saves up to four network profiles and automatically senses changes in



the network environment, allowing a user to move seamlessly from one access point to another.

Beyond its advanced connectivity features, the Tecra is a meat-and-potatoes system. With a travel weight under 7 pounds, it's a bit thinner and lighter than many competitive machines. Many of its components are high-end, such as its 850MHz Pentium III engine, 20GB hard drive, 14.1-inch TFT screen, and 16MB graphics subsystem. Despite its beefy configuration, however, performance on most of our benchmark tests failed to impress, with almost all of the system's scores lagging those of other machines we've tested in

this processor range. At less than 3 hours per charge, battery life was particularly disappointing, although not surprising because the Tecra employs a small 3,600mAh lithium-ion battery. Graphics performance was closer to what we'd expect, however, and DVD playback looked superb.

We weren't thrilled by the system's flimsy keyboard, with its less-than-optimal layout and small, poorly designed mouse buttons. One bright spot: The included MouseWare utility makes the buttons fully programmable.

The system's 14.1-inch LCD panel delivers rich XGA resolution at 32-bit color and exceptional off-axis viewing. Unfortunately, audio performance did not match up to the video. The side-firing stereo speakers pumped out fairly trebly sound and distorted the sound at top volume. A second USB connector and a composite-video-out port complement the Tecra's standard ports.

As befits a corporate system, the Toshiba doesn't come bundled with any productivity software. However, an array of electronic manuals, diagnostic tools, and troubleshooting utilities are preloaded on the notebook's hard drive. The company backs its corporate systems, including the Tecras, with three-year parts-and-labor warranties.

The latest laptop to jump on the wireless-LAN bandwagon, Toshiba's Tecra 8200 is a sophisticated machine, but it doesn't entirely justify its high cost. A similarly configured Dell Latitude C600, for example, can be had for almost \$400 less. At the least, the Tecra should deliver better performance along with its good looks for the additional expense.

—Asa Somers

EDITORS' RATING **6.3**

RATED 1 TO 10

DESIGN	6
EASE OF USE	7
FEATURES	7
PERFORMANCE	5
SERVICE AND SUPPORT	8
VALUE	5

+ Built-in wireless LAN hardware; good electronic documentation; relatively small and light
- Subpar performance for its processor class; poor battery life; pricey

SYSTEM: Toshiba Tecra 8200
COMPANY: Toshiba America Information Systems
 Irvine, CA; 800-867-4422
www.computers.toshiba.com

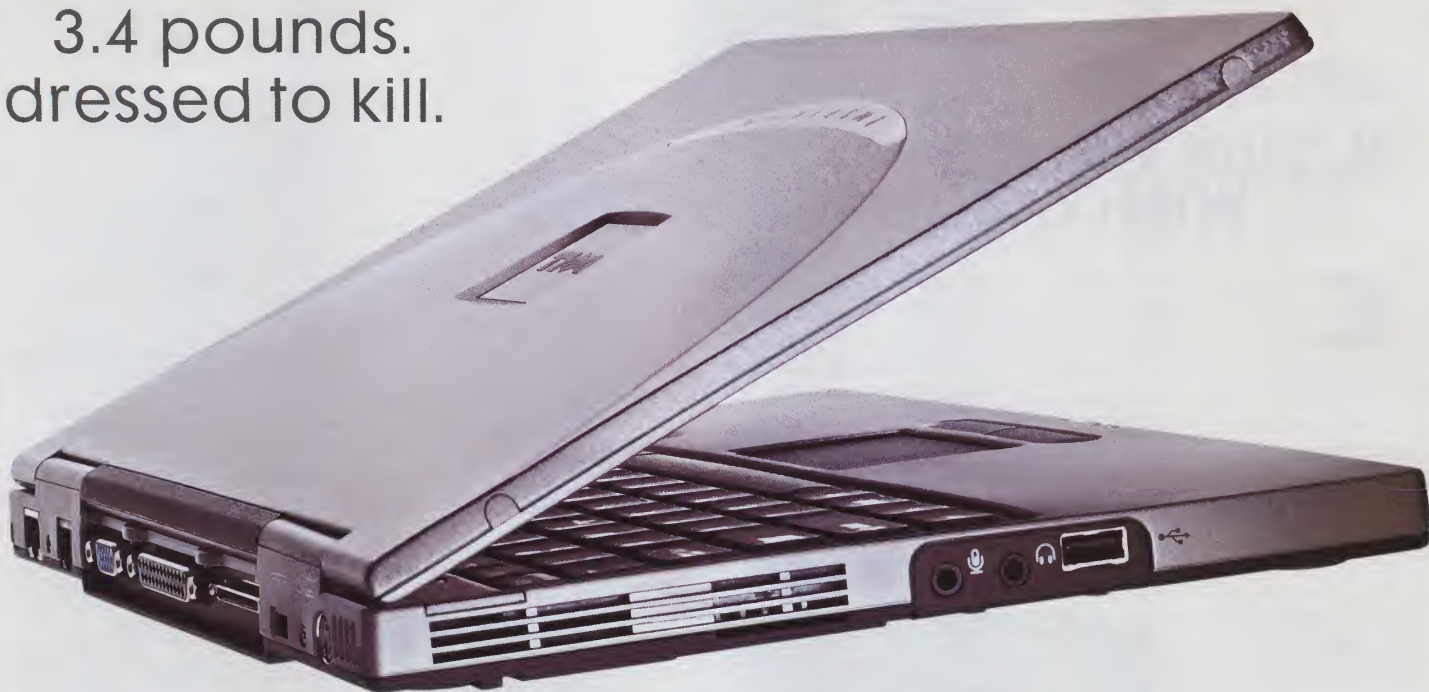
AS TESTED: 850MHz Pentium III; 128MB SDRAM; 20GB hard drive; 8x DVD-ROM; 14.1-inch TFT XGA LCD; Trident XP graphics chipset with 16MB SDRAM; Yamaha YMF754 audio chipset; integrated monaural speaker; integrated V.90 modem and 10/100Mbps Ethernet; Windows 2000; additional software

MFR. EST. PRICE: \$3,499

ZDNet Price It!
 3 4 3 0 3

For real-time pricing, go to priceit.zdnet.com and enter number.


1 inch thick.
3.4 pounds.
dressed to kill.



DELL™ INSPIRON™ 2100

NEW—Super Slim and Light

- Intel® Pentium® III Processor at 700MHz Featuring Intel® SpeedStep™ Technology
- 12.1" XGA TFT Display ■ 64MB 100MHz SDRAM
- 5GB⁵ Ultra ATA Hard Drive ■ External Floppy Disk Drive
- 4MB ATI Rage Mobility™ M 3D® 2X AGP Video
- Internal 56K Capable® FaxModem
- Internal 3Com® 10/100 Ethernet Controller
- 3.4 lbs with 23WHr Li-Ion Battery
- MS® Works Suite 2001 ■ MS® Windows® Me
- 1-Yr Limited Warranty² ■ 1-Yr Mail-in Service
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included

\$1899  **E-VALUE CODE**
05979-800418

ASK US ABOUT NO PAYMENTS FOR 90 DAYS.

DELL RECOMMENDED UPGRADES:

- External 24X Max CD-ROM Drive, add \$99
- External 8X Max DVD-ROM Drive, add \$199
- 128MB SDRAM, add \$175

Introducing the New Dell™ Inspiron™ 2100. Who ever said you had to pay a lot to look good?

And it's wearing a very stylish magnesium alloy outer shell. But this notebook doesn't have to get by on its good looks alone. This one has a brilliant 12.1" XGA TFT display and lets you fully customize the hard drive and memory, as well as add an external DVD-ROM, CD-ROM and wireless options. All this is powered by an Intel® Pentium® III processor at 700MHz. Yes, you can judge a notebook by its cover.



DELL4me.com

contact us today

800.348.6156

www.dell4me.com

Includes Windows Millennium Edition — the home version of the world's favorite software.

¹⁰Telephone access (call your phone co. for details) and other surcharges for access may apply. Must register within 30 days of receiving computer and accept DellNet/MSN Terms of Service. You agree to be billed monthly fees after the initial service period. You may cancel service at any time. Offer valid for new customers only in U.S. households and must be over 18 years old with major credit card. Limited time offer.

Prices, specifications, availability and terms of offers may change without notice. Taxes and shipping charges extra, and may vary. Valid for U.S. Dell Home Systems Company new purchases only. ²For a copy of our Guarantees or Limited Warranties, write Dell USA L.P., Attn: Warranties, One Dell Way, Round Rock, Texas 78682. ⁵For hard drives, GB means 1 billion bytes; accessible capacity varies with operating environment. ⁶Download speeds limited to 53Kbps. Upload speeds are less (about 30Kbps) and vary by modem manufacturer and line conditions. Analog phone line and compatible server required. Intel, the Intel Inside logo and Pentium are registered trademarks, and Intel SpeedStep is a trademark of Intel Corporation. MS, Microsoft, MSN and Windows are registered trademarks of Microsoft Corporation. 3Com is a registered trademark of 3Com Corporation. Dell cannot be held responsible for errors in typography or photography. ©2001 Dell Computer Corporation. All rights reserved.

MOBILE

KDS THINNOTE 2370IPT

A Slim Roadrunner With a Slice of Extras

EVERY NOW AND THEN, A MAKER OF ULTRAPORTABLES EXPERIMENTS with a "snap-on slice" design in an effort to widen the appeal of a system that's small and easy to carry but limited by its svelte shape and size. The latest such attempt is the \$2,184 ThinNote 2370IPT from KDS Computers, a company known mostly for its desktop monitors. The ThinNote is a 4.3-pound, 1.1-inch-thick flyweight that hot-docks with its optional FlexBase to become a nice, fat, three-spindle midrange system. Its surprisingly good aesthetics and performance will have particular appeal for highly itinerant mobile pros.

At this size and weight, the ThinNote goes head to head with such better-known laptops as Acer's TravelMate 351TEV and, to a lesser extent, the 3-pound Sony VAIO PCG-SR17K. These competitors rely on clunky external drives for expansion, but the ThinNote enjoys the benefit of its 2.4-pound, 1-inch-thick FlexBase slab. Snapping onto the notebook's underside, it provides two swappable drive bays, an IEEE 1394 (FireWire) port, and a composite-video-out port.

The version of the FlexBase we looked at sells for \$285, coming standard with floppy and 24x CD-ROM drives. KDS also offers 8x DVD-ROM and CD-RW drive options. Thanks to the handy undock button, a simple release lever, and a proprietary KDS software utility that resides in the Windows icon tray, hot-swapping the FlexBase on or off is a cinch.

On its own, the ThinNote is the quintessential ultraportable. Our model came with a fleet-footed 700MHz Pentium III processor, topped off with 128MB of SDRAM and a 10GB hard drive. Performance, due in large part to the model's speedy hard drive, was impressive. Especially noteworthy are its test scores of 25.9 on Content Creation Winstone 2001 and 25 on Business Winstone 2001. Battery life was fair for this class of notebook; the ThinNote lasted 2 hours and 36 minutes on a single charge.

Those who need a strong 3D-graphics

showing should look elsewhere, however. Our Quake III demo consistently ran at an average of 16.5 frames per second. That's substandard, but we don't expect serious gamers to choose this system, which is targeted to frequent corporate travelers. It also will fit the needs of family and student users quite nicely.

Aesthetically, the system is quite pleasing to the eye. We love its metallic blue-silver finish and thin profile. Opening the case reveals a bright 13.3-inch LCD panel supporting a maximum 1,024x768 native resolution. Unlike many ultrathin models, this system features a full complement of connectors, including a USB port, an IR transceiver, and a single Type II PC Card slot.

One design drawback is the ThinNote's

poor keyboard design. Not only is key layout less than ideal, but the slick finish on the keys makes them hard to grip. The wide wrist rest features a fully programmable touch pad in its center, but we found the Alps touch pad less responsive than the Synaptics models we've seen recently. Two stereo speakers are fitted beneath the wrist rest, so typing hands often muffle the already mediocre

sound quality. Most troubling is the placement of the spacebar,

which seems to be recessed just a millimeter or two too far below the wrist rest, making it very difficult to press during fast touch-typing.

Though the ThinNote sells for hundreds less than the Acer TravelMate, it does not include business productivity software, which may not be a serious issue for a system with corporate users in mind. But it's a bit odd that the ThinNote ships

standard with Windows Me, Microsoft's consumer-oriented OS—though you can opt for Windows 2000 for the same price.

KDS backs its notebooks with a standard one-year warranty and offers toll-free technical support 24 hours daily. We found the ThinNote's documentation somewhat inadequate, however.

If you take your laptop on the road with you for more than a few weeks a year, the KDS ThinNote 2370IPT could be your best companion. Its light travel weight and thin profile translate into a refreshingly portable carry-on. If not for that problematic keyboard, we'd wholeheartedly recommend this flexible system to mobile professionals or even consumers who travel often.

—Asa Somers

EDITORS' RATING **7.0**

RATED 1 TO 10

DESIGN.....	8
EASE OF USE.....	5
FEATURES.....	6
PERFORMANCE.....	8
SERVICE AND SUPPORT.....	7
VALUE.....	8

- Thin and lightweight; good performance; excellent FlexBase option; good price
- Subpar keyboard; poor audio quality

SYSTEM:

KDS ThinNote 2370IPT
COMPANY: KDS Computers
Garden Grove, CA
800-533-7515

www.kdscomputers.com

AS TESTED: 700MHz Pentium III; 128MB PC100 SDRAM; 10GB hard drive; 13.3-inch TFT active-matrix LCD; ATI Rage Mobility-M1 AGP graphics chipset with 4MB RAM; Crystal SoundFusion CS4281WDM sound chip; integrated stereo speakers; integrated 56kbps modem; integrated 10/100Mbps Ethernet; Windows Me

MFR. EST. PRICE: \$2,184 (including FlexBase with floppy and 24x CD-ROM drives)

ZDNet Price It!
3 4 3 0 1

For real-time pricing, go to priceit.zdnet.com and enter number.



A Powerful New Notebook Line-up!



Mobile Multimedia Desktop Replacement

- Huge Standard 15.1" High-Resolution displays
- Flexible Media Bays with Six Options for every need
- Full Desktop Power, Slim Mobile Convenience with Hundreds of Configurations



1^{New!}GHz
Available

WinBook **Z1**

NEW!

- Intel® Celeron™ processor
- 650 MHz
- 1.59" and 7.3 lbs.
- 15.1" XGA TFT display
- 64 MB SDRAM
- 6 GB ultra DMA removable hard drive, upgradable to 10, 20 or 30 GB
- 56k[†] capable v.90 internal fax/modem, built-in
- 60 WHR lithium ion battery
- 24X CD-ROM modular/removable drive
- 3.5" floppy drive
- 1 year limited extendable warranty
- Microsoft Windows® Me, pre-installed

Intel® Pentium® III processor available on other models

\$1399 Offer Code: WBZ-340115a*

With hundreds of configurations possible, you'll be able to configure the notebook you want!

Ultra Thin! 1" Light! 4.7 lbs.

- Strong, Lightweight & Stylish
- Specially strengthened aluminum alloy including copper and zinc
It's 3 1/2 times the tensile strength of standard notebook plastic.
- Hard & Optical Drives, Ports
- Travel Light



1^{New!}GHz
Available

NEW!

WinBook **X1**

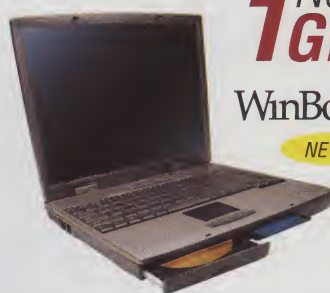
- Intel® Pentium® III processor featuring SpeedStep™ Technology
- 700 MHz
- Thin (1") & lightweight (4.7 lbs.)
- 12.1" XGA TFT display
- 64 MB SDRAM
- 10 GB ultra DMA hard drive
- 56k[†] capable v.90 internal fax/modem, built-in
- 45 WHR lithium ion battery
- 24X CD-ROM drive built-in
- Ethernet built-in
- 1 year limited extendable warranty
- Microsoft Windows® Me, pre-installed

\$1699 Offer Code: WBX-40125a*

Packed with Intel® Pentium® III processor, 700 MHz, Hard Drive, 45WHR Battery, and only 4.7 lbs. and 1" thin!

Designed for Affordability

- Intel® Pentium® III processor
- Blazing 1 GHz
- 12.1", 13.3" or 14.1" TFT displays
- Powerful, yet Incredibly Affordable
- Complete Configurations ready to go



1^{New!}GHz

WinBook **J1**

NEW!

- Intel® Pentium® III processor
- 1 GHz
- 1.42" and 5.9 lbs.
- 13.3" XGA TFT display
- 128 MB SDRAM (one module)
- 10 GB ultra DMA hard drive
- 56k[†] capable v.90 internal fax/modem, built-in
- Integrated dual-button touchpad and pointing stick
- 60 WHR lithium ion battery
- 8X DVD-ROM drive built-in
- 3.5" floppy drive
- 1 year limited extendable warranty
- Microsoft Windows® Me, pre-installed

\$1499 Offer Code: WBJ-40135a*

Intel® Celeron™ processor, 700 MHz, 64 MB, 6 GB, CD **\$999** Offer Code: WBJ-40139a*

These are only a sample of our hundreds of configurations.

WinBook notebooks use genuine Microsoft® Windows® Me Operating Systems.

Order Online at:
www.winbook.com

* Reference the appropriate Offer Code to receive featured configuration and pricing.
† 56k modems are capable of 56 kps downloads. Due to FCC rules that restrict power output, however, current download speeds are limited to 53 kps. Upload speeds are limited to 33.6 kps. Actual speeds may vary depending on line conditions. Prices and specifications valid in U.S. only and subject to change without notice. All purchases are subject to availability. For a complete copy of Guarantees and Limited Warranties, contact WinBook Computer Corporation or our website at www.winbook.com/warranty.html. For mobile Intel Pentium III processors featuring SpeedStep technology, this denotes maximum performance mode; battery optimization mode is approximately 80% of maximum performance mode. CD-RW, DVD-ROM and CD-ROM drives list a variable read rate. CD-RW write and re-write speeds vary and list only the maximum possible. Actual CD-RW, DVD-ROM and CD-ROM speeds will vary and are often less than the maximum possible. Weight includes battery. Actual weight and thickness may vary due to vendor components, manufacturing processes and options. Thickness may vary at certain points on the system.

© 2001 WinBook Computer Corporation. All rights reserved. WinBook is a registered trademark of Micro Electronics, Inc. All rights reserved. Intel, the Intel Inside logo and Pentium are registered trademarks, and Celeron and SpeedStep are trademarks of Intel Corporation.

Upgrade to a 3 Year Warranty on any WinBook

The WinBook "PremiumCare" limited warranty covers any unforeseen warranty repairs for up to three years from the original purchase date. **Now only \$99!** Limited Time Offer! Sorry, not available to residents of Florida.

800-964-2414

WinBook®

Critically Proven.

MOBILE

GATEWAY SOLO 9500

Faster Than a Speeding Desktop

IMAGINE A NOTEBOOK THAT BOOTS TO THE WINDOWS DESKTOP IN LESS than 20 seconds, a laptop able to hit the road with more power for applications than many desktop PCs, and you've got the \$3,549 Gateway Solo 9500.

At the heart of the Solo 9500 is Intel's speedy 1GHz Mobile Pentium III processor. An additional speed boost comes from the notebook's use of Intel's 815 chipset and 128MB of 133MHz SDRAM. This combination results in unprecedented responsiveness for a notebook computer. The 32GB 5,400rpm IBM Travelstar hard drive proved exceptionally fast as well, especially when running business apps. The Solo cranked out an impressive Business Winstone 2001 score of 34.9, one of the fastest we've seen.

Even when throttled down in power-saving SpeedStep mode, the CPU still runs at a perky 700MHz. Despite this bleeding-edge performance, battery life is good, with a single charge providing more than 3 hours of power. For long flights or trips into the field, you can add an extra battery in the drive bay.

Along with the fastest notebook CPU we've tested, the Solo 9500 also features the biggest screen. Although the 15.7-inch TFT display adds only a little more than half an inch over earlier "giant" screens, the extra real estate pays off in readability when running at the LCD's 1,280x1,024 maximum resolution. It's also great for showing off the power of the notebook's ATI Rage Mobility M4 AGP graphics processor with 16MB of integrated video RAM. Although it's not as fast as nVidia's GeForce2 Go chip, it's still speedy enough to play today's most demanding games without compromise. For more serious uses, a composite output lets you send presentations to a television or other video device.

Of course, the big screen necessitates a large form factor. Still, the Solo 9500 doesn't feel unwieldy. At 8.1 pounds (9 pounds with power cord and AC adapter), it's not unusually heavy for a desktop-replacement-class notebook, and it's just over an inch and a half thick. You'll find plenty of room for a huge wrist rest surrounding the Synaptics touch pad, as well as four programmable

function keys and dedicated volume keys above the keyboard.

The keyboard feel is superb, with a deep throw and excellent tactile feedback. The Fn key is at the bottom left of the keyboard, though, where the Ctrl key is on desktop keyboards. The touch pad can be configured to mimic the scrolling function of a thumbwheel mouse to enhance your Web-surfing activities.

The Solo 9500's audio is a mixed bag. Sound clarity is excellent, with no distortion when the volume is cranked up for DVD or MP3 output. Unfortunately, the stereo speakers don't have much oomph,

and even at full volume, the notebook is rather quiet. Plan on connecting external speakers if you want to share the notebook's excellent DVD playback with friends. If you really want to impress, use the S/PDIF digital-audio port to connect a 5.1 speaker system.

The notebook packs plenty of growth potential. The CD bay can hold a CD, DVD, or CD-RW drive; a second battery; or an additional hard drive. In addition, you can swap out the floppy for an LS-120 SuperDisk drive. The system offers a full set of expansion ports, including a pair of USB connectors and even an IEEE 1394 (FireWire) port, the latter making the Solo 9500 a good platform for editing digital video. Our test notebook had an internal 56kbps modem; the Mini-PCI slot can also support a modem/Ethernet combo card, an important choice if you need the unit to be ready for a broadband connection.

The Solo 9500 comes preloaded with Windows Me and bundled with Microsoft Works Suite 2000. The latter is a poor choice for a notebook of this class; you can upgrade to Microsoft Office at extra cost, but when you spend more than \$3,500 for a notebook, you more or less expect a full office suite. The Solo's standard one-year warranty was a bit disappointing too, given the system's price.

In an age when many notebooks tout design, it's too bad that the only distinctive visual element of the Solo 9500—besides its large form factor—is the Gateway cow logo behind the screen. But once you boot up this powerhouse, you'll have plenty to show off.

—Denny Atkin

EDITORS' RATING **6.8**

RATED 1 TO 10

DESIGN.....	6
EASE OF USE.....	8
FEATURES.....	7
PERFORMANCE.....	8
SERVICE AND SUPPORT.....	6
VALUE.....	6

Extremely fast performance; huge screen; fast hard drive; digital-audio output

One-year labor warranty; limited audio volume; boxy design

SYSTEM: Gateway Solo 9500
COMPANY: Gateway
San Diego, CA
800-846-2000, 858-799-3401
www.gateway.com

AS TESTED: 1GHz Pentium III SpeedStep processor; 128MB PC133 SDRAM; 32GB hard drive; 8x DVD-ROM drive; ATI Rage Mobility M4 graphics controller chip with 16MB video RAM; 15.7-inch TFT SXGA display; ESS Allegro sound chip; twin integrated speakers; integrated V.90 modem; Windows Me; Microsoft Works Suite 2000

DIRECT PRICE: \$3,549

ZD Net Price It!
3 4 3 4 5

For real-time pricing, go to priceit.zdnet.com and enter number.

Travel anywhere with CDW

Partnering with top name vendors like HP, Sony and Toshiba, CDW can take your business, anywhere it needs to go. Take off today by calling your CDW account manager, or by logging onto www.cdw.com.



HP OmniBook XE3 notebook computer *Notebook computer*

- ▶ 800MHz Intel® Pentium® III processor with SpeedStep™ technology
- ▶ RAM: 128MB std., 512MB max. ▶ 20GB hard drive ▶ 8X Max DVD-ROM drive
- ▶ 56Kbps modem ▶ 10/100 Ethernet ▶ 14.1" active-matrix display ▶ Windows 98

\$2099.87 CDW 263561

SONY

Sony R505TSK *Notebook computer*

- ▶ 850MHz Intel® Pentium® III with SpeedStep™ technology ▶ RAM: 128MB std.
- ▶ 20GB hard drive ▶ 56Kbps modem ▶ 14.1" active-matrix display ▶ Windows 98

\$3096.00 CDW 276039



Docking station sold separately

TOSHIBA



Satellite Pro 4600 Series *Notebook computer*

- ▶ 750MHz Intel® Pentium® III processor with SpeedStep™ technology
- ▶ RAM: 128MB std., 512MB max. ▶ 20GB hard drive ▶ 8X Max DVD-ROM drive
- ▶ 56Kbps modem ▶ 14.1" active-matrix display ▶ Windows® 98

\$2088.79 CDW 268927



www.cdw.com



800-726-4239



*Computing Solutions
Built for Business®*

All pricing subject to change. For all prices and products, CDW® reserves the right to make adjustments due to changing market conditions, product discontinuation, manufacturer price changes or typographical errors in advertisements. All products sold by CDW are third party products and are subject to the warranties and representations of the applicable manufacturers. Please refer to www.cdw.com for additional terms and conditions.

©2001 CDW® Computer Centers, Inc. 200 N. Milwaukee Avenue, Vernon Hills, IL 60061 CS7153E 5/01

MOBILE

DELL INSPIRON 8000

Pack a Portable 3D Scream Machine



IF THE DELL INSPIRON 8000, FEATURING THE BRAND-NEW GeForce2 Go graphics subsystem from nVidia, gets any faster at handling 3D rendering, we may have to start measuring 4D performance in our tests. And while this \$2,422 desktop-replacement notebook excels at all things graphics-related, it doesn't shirk its other duties, delivering high-end features, great usability, and superb all-around performance. Though packed with top-notch components such as an 850MHz Pentium III processor, 128MB of RAM, and a 20GB hard drive, the Inspiron's hefty 8.1-pound weight may scare off more itinerant users, but small-business users and gaming gurus won't think twice about occasionally lugging this powerhouse around.

During lab testing, the Inspiron's score of 139 on the 3D WinMark 2000 test is more than double that of the previous notebook record holder, also an Inspiron 8000, but one outfitted with the ATI Rage Mobility graphics chip. In other words, the GeForce2 Go provides a quantum leap in 3D modeling and animation—so much so that our Quake III demo ran at a nausea-inducing 56 frames per second. Not only does the GeForce2 Go deliver 3D performance that scorches all previous comers, but it also produces graphics results similar to comparably configured desktop systems.

Business Graphics WinMark 99 results were also at the top of the heap. Less than stellar hard drive performance may account for the Inspiron's Business Winstone 2001 score of 28.1, which, though respectable, isn't the best we've seen. As for stamina, the Inspiron's relatively small 3,800mAh lithium-ion battery lasted longer than we expected. Although the system could not complete the BatteryMark test, it lasted exactly 3 hours on a single charge in informal testing.

Dell has apparently listened to our critiques of past models, judging by the overall design of this new Inspiron. The matte-black finish and conservative use of chrome accents on our evaluation unit greatly surpass the questionable aesthetics of last year's Inspirons. Opening the lid reveals a



gorgeous 15-inch TFT display, which delivers crystal-clear SXGA+ (1,400x1,050) resolution with good off-axis viewing. Dell also gives the option of a screen that supports a whopping 1,600x1,200 pixels, but we only recommend this for CAD/CAM and Photoshop pros, or test pilots with 20/15 vision, because icons and text will be extremely small.

As expected, DVD playback was incredibly smooth and colorful, but we did notice a 2mm vertical band of mild distortion down the right side of the display when the unit was set to full-screen mode. Dell was able to replicate the problem on in-house models and is looking into a fix.

The company has also spiffed up the Inspiron's keyboard, which has a design that stands up to that of IBM's field-leading ThinkPad's. Key travel is substantial, and response is firm to the touch, while the keys have a matte finish that prevents them from being too slick. Key layout is superb.

For a generation or two now, the Inspirons have featured dual pointing devices with two sets of actuation buttons, a great concept that works very well.

Four dedicated buttons above the keyboard give you quick access to applications; two are user-programmable. These buttons double as controls for audio-CD playback, but you must toggle this functionality with software. The lack of a quick-and-easy hardware toggle switch is conspicuous.

This Inspiron came loaded with other great features, including a built-in IEEE 1394 (FireWire) port, dual USB connectors, a smart battery with a push-button status LED, and hot-swappable drives. The 8x DVD-ROM drive is fixed,

while the floppy, battery, and any optional drives swap in and out of two bays on the front of the system. Electronic documentation, including diagnostic and restore utilities, is superb, thanks to the Dell Solution Center software that puts all these tools and more at your fingertips. The software bundle also includes Microsoft Works Suite 2001 with Money 2001 Standard.

We give kudos to Dell for churning out an all-around excellent system with groundbreaking 3D chops. Backed by the company's renowned three-year warranty, the Inspiron 8000, save for a few minor design flaws, just might be the perfect desktop-replacement system.

—Asa Somers

EDITORS' RATING **8.3**

RATED 1 TO 10

DESIGN.....	7
EASE OF USE.....	8
FEATURES.....	9
PERFORMANCE.....	9
SERVICE AND SUPPORT.....	9
VALUE.....	8

Desktop-quality graphics; high-end components; excellent keyboard; competitive price
 Heavy; screen showed some distortion with full-screen DVD playback

SYSTEM: Dell Inspiron 8000
COMPANY: Dell Computer
 Round Rock, TX; 800-247-9362
www.dell.com

AS TESTED: 850MHz Pentium III; 128MB SDRAM; 20GB hard drive; nVidia GeForce2 Go graphics chipset with 16MB RAM; 15-inch SXGA+ TFT active-matrix LCD; 8x DVD-ROM; ESS Maestro PCI sound card; integrated monaural speaker; integrated V.90 modem; Windows Me; Microsoft Works Suite 2001
DIRECT PRICE: \$2,422

ZDNet Price It!
 3 4 3 0 0

For real-time pricing, go to priceit.zdnet.com and enter number.

"And I thought my suit was tailor-made."

— Account Executive and
ProStar 2293 Owner

> The ProStar 2293

Custom configurations and
a variety of features for the
notebook you want at a
price you can afford.



2893



Common Features

- > 256KB On-Die L2 Cache
- > 2X AGP 8MB ATI Rage Pro 3D Video
- > 10.0GB or 20.0GB Hard Drive opt.
- > 3.5" 1.44MB Floppy Disk Drive
- > 3D Surround Sound
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Pointing Device
- > 1 Type II PCMCIA Slot
- > 10/100 Ethernet Lan Adapter
- > 56K Capable V90 Modem
- > Smart Lithium-Ion Battery
- > Infra Red, Wireless Fast IR Interface
- > 2 USB Ports
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > Jacks: 1 Line-In, 1 Line-Out and 1 Microphone
- > Microsoft® Windows® ME
- > Carrying Case and AC Adapter
- > Slim Notebook: 12.8" w x 10.15" d x 1.49" h

15" XGA Active Matrix Display
Mobile Pentium® III Processor 700MHz
Featuring Intel® SpeedStep™ Technology
128MB 100MHz SDRAM expandable to 512MB
10.0GB Hard Drive⁴
24X² Max. CD-ROM Drive (8X¹ Max. DVD opt.)

\$1795

15" XGA Active Matrix Display
Mobile Pentium® III Processor 700MHz
Featuring Intel® Speed Step™ Technology
128MB 100MHz SDRAM expandable to 512MB
20.0GB Hard Drive⁴
8X¹ Max. DVD-ROM Drive

\$1995

2293



Common Features

- > 128KB On-Die L2 Cache (Intel® Celeron™ Processor)
- > 256KB On-Die L2 Cache (Intel® Pentium® III Processor)
- > Integrated 4X AGP Graphics with 32MB Max. user definable share Memory Architecture
- > 10.0GB, 20.0GB, or 30.0GB Hard Drive opt.
- > 3.5" 1.44MB FDD
- > 3D Surround Sound
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Pointing Device
- > 1 Type II PCMCIA Slot
- > 56K Capable V90 Modem + 10/100 Ethernet
- > Infra Red, Wireless Fast IR Interface
- > 3 Hot Keys for E-Mail, Browser and API
- > 2 USB Ports
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > Jacks: 1 Headphone and 1 Microphone
- > Microsoft® Windows® ME
- > Carrying Case and AC Adapter
- > Slim Notebook: 12.1" w x 10.0" d x 1.48" h

14.1" XGA Active Matrix Display
Mobile Pentium® III Processor 700MHz
Featuring Intel® Speed Step™ Technology
128MB 100MHz SDRAM expandable to 512MB
10.0GB Hard Drive⁴
8X¹ Max. DVD-ROM Drive (CD-RW opt.)

\$1645

13.3" XGA Active Matrix Display
Intel® Celeron™ Processor 600MHz
64MB 100MHz SDRAM expandable to 512MB
10.0GB Hard Drive⁴
24X² Max. CD-ROM Drive (8X¹ Max. DVD opt.)

\$1295

5190



Common Features

- > 128KB On-Die L2 Cache (Intel® Celeron™ Processor)
- > 256KB On-Die L2 Cache (Intel® Pentium® III Processor)
- > Integrated 4X AGP Graphics with 32MB Max. user definable share Memory Architecture
- > 10.0GB, 20.0GB, or 30.0GB Hard Drive opt.
- > 3.5" 1.44MB FDD
- > 3D Sound Effect
- > 2 Built-In Stereo Speakers and 1 Built-In Microphone
- > Built-In Touchpad Pointing Device
- > 1 Type II PCMCIA Slot
- > 10/100 Ethernet Lan Adapter
- > 56K Capable V90 Modem
- > Infra Red, Wireless Fast IR Interface
- > 1 USB Port
- > Other Ports: 1S, 1P, Ext. Keyboard and Ext. CRT
- > Jacks: 1 Headphone and 1 Microphone
- > Microsoft® Windows® ME
- > Carrying Case and AC Adapter
- > Super Slim Notebook: 11" w x 9.4" d x 1.5" h

12.1" XGA Active Matrix Display
Mobile Pentium® III Processor 700MHz
Featuring Intel® Speed Step™ Technology
128MB 100MHz SDRAM expandable to 512MB
10.0GB Hard Drive⁴
8X¹ Max. DVD-ROM Drive (CD-RW opt.)

\$1495

12.1" XGA Active Matrix Display
Intel® Celeron™ Processor 600MHz
64MB 100MHz SDRAM expandable to 512MB
10.0GB Hard Drive⁴
24X² Max. CD-ROM Drive (8X¹ Max. DVD opt.)

\$1195

Options > Car Adapter > Port Replicator > Numeric Keypad > PCMCIA Cards (V90Data/Fax, Ethernet 10/100 16-Bit, MPEG-II) > Please call for options availability, most options are notebook specific. **CSA Contract # GS-35F-5084H**
ProStar Computers, Inc. 1128 Coiner Court, City of Industry, CA 91748 > Tel (626)854-3428 > Fax (626)854-3438
> Hours: Mon-Fri, 7:30am-6:00pm, Sat, 9am-3pm PST

¹2X Minimum, ²10X Minimum, ³Download speeds limited to 53Kbps. Upload speeds are less. Actual data speeds will vary depending on line conditions.
⁴Total HDD accessible capacity may vary depending on operating environment.
©2001 by ProStar Computer Inc. All rights reserved. Intel, the Intel Inside logo and Pentium are registered trademarks. SpeedStep and Celeron are trademarks of Intel Corporation. Opened software and shipping charges are non-refundable. 30-day money back guarantee does not include return freight or shipping and handling charge. Not responsible for photo or typographical errors. Price and terms subject to change without notice.

PROSTAR

www.prostarlaptop.com 800.576.0546

MOBILE

GEODISCOVERY GEODE
GPS MODULEWalk the Earth
With Confidence

EVEN THE GREATEST EXPLORERS OF YORE WERE sometimes directionally challenged. But in this age of instant information, there's no excuse to be bumbling around the planet.

Tapping into the GPS orbital network, the \$289-direct Geode GPS Module from GeoDiscovery is one of the most ambitious mobile devices we've seen. A Springboard expansion module for Handspring Visor PDAs, the Geode receives and interprets GPS radio signals, displaying maps pinpointing your precise location and heading.

Encased in a milky translucent plastic bezel with circuitry peeking through, the Geode is serious hardware. As Springboard modules go, it's a bit on the chunky side, weighing in at 3.7 ounces including two AA batteries. Once inserted, the module powers up and loads its own GPS software interface, relying on stored proprietary



maps you download from GeoDiscovery's Web site. For additional storage, the Geode is equipped with two MultiMediaCard slots, each capable of hosting up to 64MB of optional memory. Just calibrate the digital compass, select a regional map, and you're ready to go.

Walking the streets of New York, we were able to track our position easily. The display showed vector-line city streets, as well as icons denoting spots of interest like hotels and restaurants, all clickable for further information. The digital compass and heading readouts were rather quirky, however, often providing inaccurate data, and the Geode was likely to lose GPS reception around tall structures.

We were also disappointed by the unit's short battery life; we could squeeze only about 4 to 5 hours of continual use out of two fresh AA batteries.

In the Geode's defense, performance was fine in places with fewer skyscrapers around; hikers and outdoor enthusiasts shouldn't have any problems. One cool feature is the module's ability to create and save GPS points for future reference or to share with others.

Though a bit pricey, the Geode GPS Module can transform your Visor PDA into a powerful global tool.

—Brian Bennett

EDITORS' RATING	
5.6	
RATED 1 TO 10	
DESIGN.....	6
EASE OF USE.....	7
FEATURES.....	6
PERFORMANCE.....	4
VALUE.....	5

- Easy to use
- Short battery life; bulky; expensive

PRODUCT: GeoDiscovery Geode GPS Module
COMPANY: GeoDiscovery
 Orem, UT; 800-861-2972
www.geodiscovery.com
MFR. EST. PRICE: \$289

Net Price It!
 3 4 3 1 1

For real-time pricing, go to priceit.zdnet.com and enter number.

SAMSUNG UPROAR SPH-M100

Ring and Roam,
Rock and Talk

THE FIRST-EVER COMBINATION MP3 PLAYER/cellular phone, the Samsung Uproar lets you jam to your favorite tunes while deftly handling mobile calls. The stylishly sleek Uproar is sure to turn heads, but only when you want it to. Thanks to its included headset microphone, you can keep the main hand piece hidden and make wireless conversation without attracting lots of unwanted attention.

Equipped with 64MB of RAM, the \$399 Uproar can store about 2 hours of music. Audio quality is surprisingly good, and five equalizer presets let you customize the sound. The unit ships with MusicMatch Jukebox Plus software for managing your MP3s, and includes a USB data cable for transferring files. Transfer time is extremely slow; it takes almost 10 minutes to fill the Uproar with songs.

Measuring only 4.2x1.8x0.9 inches and weighing a svelte



4.2 ounces, you would expect the diminutive Uproar to be a one-trick pony. Samsung has incorporated some PDA functions as well, such as an integrated event calendar, to-do list, calculator, and series of alarms. The phone book can hold 229 contacts, with each entry having up to six numbers.

The Uproar also supports wireless Web browsing and can store up to 100 SMS messages. The unit's bright, five-line screen takes the strain out of reading e-mail. Unfortunately, the Uproar's menu navigation is convoluted, and the keypad's design is poor. The buttons are tiny and too close together.

Samsung works around many of these problems by providing quick-key shortcuts for almost every function.

The Uproar's lithium-ion battery provides 3.3 hours of talk time, 140 hours of stand-by time, and 10 hours of audio playback. The phone only supports the CDMA protocol, so you're limited to carriers that use that network, though its dual-band capability lets you roam off your carrier's digital network.

The Samsung Uproar is a good mix of form and function. Although the poor keypad design is a liability, its ability to play audio files may make up for it if you love your music.

—Xavier W. Niz

EDITORS' RATING	
6.8	
RATED 1 TO 10	
DESIGN.....	7
EASE OF USE.....	5
FEATURES.....	8
PERFORMANCE.....	7
VALUE.....	7

- Small, lightweight design; plays MP3 files; lots of features
- Poor menu navigation and keyboard design; slow data-transfer rate

PRODUCT: Samsung Uproar SPH-M100
COMPANY: Samsung
 Telecommunications America
 Richardson, TX; 800-726-7864
www.samsungtelecom.com/uproar
LIST PRICE: \$399

Net Price It!
 3 4 3 4 7

For real-time pricing, go to priceit.zdnet.com and enter number.

COMPUTER SHOPPER[®]

SUBSCRIPTION SAVINGS VOUCHER

Return this voucher today to save up to 53% when you subscribe to Computer Shopper — America's leading direct buying source for computer product buyers. **DOUBLE BONUS:** the Interactive Companion CD-ROM and Multimedia MegaPac CD-ROM — BOTH FREE with your paid order.

Choose one:

- ☐ **SAVE 48%** - Get 1 year/12 issues for \$24.97
☐ **SAVE 53%** - Get 2 years/24 issues for \$44.97

Name _____ (please print)

Company _____

Address _____

City/State/Zip _____

E-mail _____ ☐ Payment enclosed. ☐ Bill me later. 5SHB9

Annual Newsstand Price

~~\$47.88~~

Your One-Year Savings Price

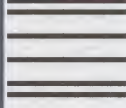
\$24.97

Double Bonus

**2 FREE
CD-ROMs**

Annual newsstand price \$47.88. Non-U.S. add
US\$30 per year, Canadian GST included.
Allow 3-6 weeks for delivery.

Point your Web browser to —
<http://www.cshopper.com>



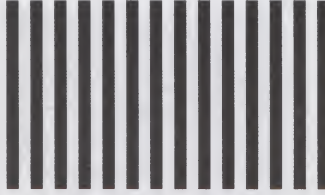
NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL
FIRST-CLASS MAIL PERMIT NO. 66 BOULDER, CO

POSTAGE WILL BE PAID BY ADDRESSEE



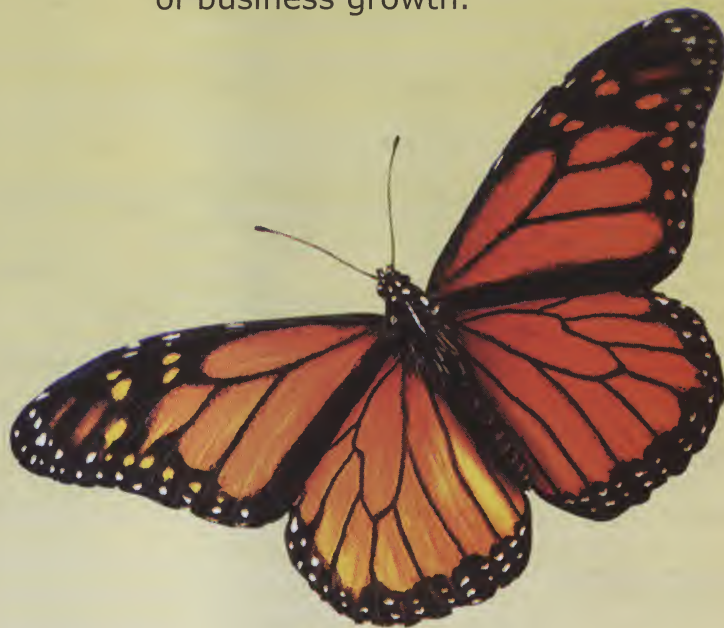
PO Box 51020
Boulder, CO 80323-1020





MonarchComputer.com

AMD Channel OEM Partner and AMD Top Manufacturer
Providing computer solutions for every stage
of business growth.



Discover the beauty of a Monarch



Custom Configurations available

Monarch Part# 090209

- 2U Server Case with 3 PCI Slots
- (2) 300 Watt Redundant, Hot-Swappable Power Supplies
- AMD Athlon 1 GHz Socket A Processor
- MSI K7TPro Master-SI Mainboard
- Adaptec 789x U160 SCSI Controller
- IEEE-1394 Firewire
- (3) Case Cooling Fans
- 1 GB PC133 CAS-2 High Performance Memory
- (2) 18 GB Cheetah Ultra 160 10,000 RPM Hard Drives
- 1.44 Floppy Drive
- 3COM 3C905C 10/100 Network Card w/ Wake on LAN
- Novell Tested/NT Tested/Win 2000/Win 98 and LINUX Tested
- Operating System Optional
- 3 Year Warranty (Platinum Plus)

Starting at \$2,500.00



Proud recipient of AMD's Crystal Wafer
Award for Outstanding Partner
System Builder Summit 2001



Monarch Computer Systems®

www.MonarchComputer.com

5242 Royal Woods Parkway Suite 160
Tucker, GA 30084
1.800.611.0875

SOFTWARE

ADOBE PREMIERE 6

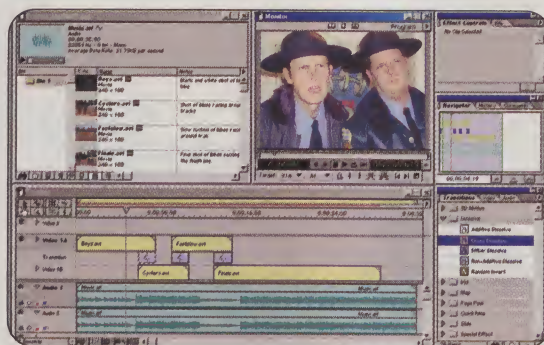
The Premier Pick For Video Pros



LET'S BE FRANK: ADOBE PREMIERE 5.1 HAD problems. Not only was it buggy, but it also didn't work with many capture boards. Now, Adobe has rebuilt the application from the ground up, focusing on digital-video filmmakers who want to output to DV or upload their projects to the Web.

We tested Premiere 6 on a 600MHz Pentium III system with 256MB of RAM and Pinnacle Systems' DV500 real-time IEEE 1394 (FireWire) card. Adobe didn't fix every bug in the application, but it did fix many of them. During 9 hours of editing, the application crashed six times. Most crashes occurred when we performed such tasks as applying multiple effects filters to the timeline. Premiere 6 is still more stable than version 5.1, however.

The coolest new feature is



the Project Bin window, which is worth the price of the upgrade alone. When you capture a shot, a thumbnail appears in the Bin. To the right of the thumbnail is the shot's name, followed by a text note. All text in the Bin is searchable. If you're working with hundreds of shots, you can find the shot you're looking for by searching for the comment you wrote next to it. The downside is that the Project Bin adds another window to an already crowded screen.

You'll like Premiere's Export to Web feature, which uses Cleaner LE to automate the process. Cleaner will save your video as a RealVideo, QuickTime, or Windows Media file and upload the compressed movie to a

Web site, though you can't tweak any of the compression settings.

Is Premiere 6 perfect? No. The titler is still unimpressive, but Adobe includes Pinnacle Systems' TitleDeko to compensate. The program is missing many features, such as the ability to delete extraneous video and a way to play videos in succession from multiple timelines. Still, even with its faults, Premiere 6 is among the best software video editors out there.

—Rick Popko

CLICK TO CONVERT 2.5

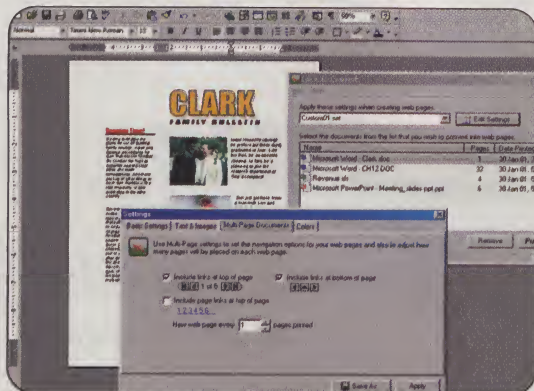
Design Web Pages By Pressing 'Print'

IF YOU CAN USE THE PRINT COMMAND IN YOUR favorite application, you can produce good-looking, Web-ready documents using Click to Convert 2.5, a \$119 HTML-conversion utility.

Click to Convert masquerades as a printer and uses Windows' own printing technology to capture data from a wide variety of programs. It employs a simple two-step process so that even inexperienced users can produce HTML documents.

You simply "print" your document, then "publish" the file thus created. The default program settings work well for most documents, but the program also provides advanced options.

Behind the scenes, some sophisticated Web programming takes place. Click to Convert uses cascading style sheets (CSS) and layers to preserve your document's exact



layout. The program generates separate CSS files to handle the incompatibilities between Internet Explorer and Netscape Navigator.

The resulting document is in many cases more visually accurate than an HTML document produced by the originating application itself. For example, Microsoft Word doesn't preserve elements like page breaks, columns, or complex text wraps; Click to Convert does.

Click to Convert does have shortcomings. It segregates each element and text string on a discrete overlapping layer, resulting in an overwhelming number of layers to organize and manage—if you choose to do so. More seriously, Click to Convert will only generate a hyperlink from explicit Web addresses that have been

fully typed out. The company promises a fix in a future version.

Click to Convert can offer a real productivity boost to anyone who must routinely generate HTML files from standard business documents. At only \$119 (with volume discounts available), it provides robust, intelligent functionality that you can use with a broad range of applications. You can download a trial version of the program from computershopper.zdnet.com/downloads, valid for 30 days or 10 uses, to determine whether Click to Convert 2.5 is compatible with your particular mix of programs.

—Luisa Simone

EDITORS' RATING 8.2

RATED 1 TO 10

FEATURES	9
LOOK AND FEEL	7
PERFORMANCE	8
USABILITY	8
VALUE	9

+ Awesome new media-management tools; more stable than Premiere 5.1; full support for all video-streaming algorithms
- Still prone to crashes; missing features

PRODUCT: Adobe Premiere 6
COMPANY: Adobe Systems
San Jose, CA
888-724-4507, 408-536-6000
www.adobe.com
MFR. EST. PRICE: \$549
(full version); \$149 (upgrade)

ZDNet Price It!
3 4 3 0 2

For real-time pricing, go to priceit.zdnet.com and enter number.

EDITORS' RATING 8.3

RATED 1 TO 10

EASE OF USE	9
FEATURES	7
INSTALLATION	9
VALUE	8

+ Generating an HTML file is as simple as printing; can drag-and-drop files from Microsoft Office applications; intelligent font mapping

- Does not preserve all hyperlinks; no GIF output; each object generated as a discrete floating layer

PRODUCT: Click to Convert 2.5
COMPANY: Binary Research International
Milwaukee, WI
877-246-2791, 414-961-7077
www.clicktoconvert.com
REQUIRES: 100MB hard drive space; Windows 95, 98, Me, 2000, or NT 4.0; Internet Explorer 4.0 or Netscape Navigator 4.0 or later, or equivalent browser
MFR. EST. PRICE: \$119

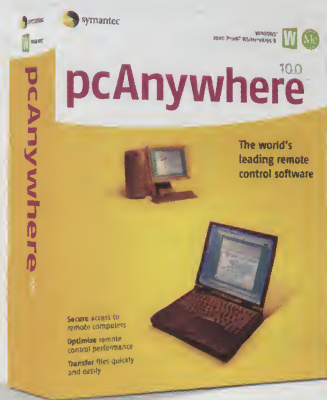
ZDNet Price It!
3 4 3 0 9

For real-time pricing, go to priceit.zdnet.com and enter number.

SECTION CONTINUES ON PAGE 90



Helpdesk. Troubleshoot. Telecommute. Anywhere, anytime.



No matter where you are in the world, here is the #1 seller for fast, easy access to any remote computer. If your job takes you on the road, pcAnywhere lets you retrieve information, transfer files, and run desktop applications—as if you were back in your office. If you're trouble-shooting systems and providing helpdesk support for mobile users, it lets you quickly and conveniently resolve user problems and manage mission-critical workstations servers by remote control—without leaving your desk. Helpdesk, troubleshoot, telecommute? There's no better way. pcAnywhere 10.0 now Windows® 2000 certified!

Visit www.symantec.com/pca or see your local retailer for pcAnywhere 10.0.



Symantec, the Symantec logo, and pcAnywhere are U.S. registered trademarks of Symantec Corporation. Microsoft, Windows, Windows NT, the Windows logo are registered trademarks of Microsoft Corporation in the United States and/or other countries. Copyright © 2001 Symantec Corporation.

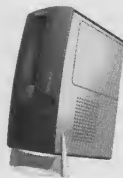


**so easy to manage,
it may insult your intelligence.**



buy.hp.com | 1-800-656-6018 | **HP recommends Windows 2000 Professional for business.**

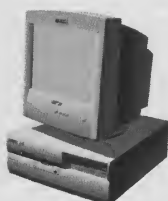
*Price is estimated street price. Actual price may vary. Monitor not included. Intel, the Intel Inside Logo and Pentium are registered trademarks of Intel Corporation. All other registered trademarks are property of their respective owners. ©2001 Hewlett-Packard Company. All rights reserved.



Corporate e-PC c-10

Model P2795T: Intel® Pentium® III processor 866MHz/Intel 810e chipset/256MB SDRAM
20GB HDD/24X max CD-ROM/Intel Integrated 3D Direct AGP video/
56K USB e-Modem/3Com® 10/100 integrated LAN/Windows® 2000

\$1399*



VL400

Desktop model P3315T: Intel Pentium III processor 866MHz/Intel i815 chipset/
128MB SDRAM/10GB HDD/48X max CD-ROM/Intel Direct 3D integrated video/
3Com 10/100 integrated LAN/Windows 2000

\$1199*



Vectra VL400

Desktop model P4150T: Intel Pentium III processor 1GHz/Intel i815 chipset/
128MB SDRAM/20GB HDD/48X max CD-ROM/Intel Direct 3D integrated video/
3Com 10/100 integrated LAN/Windows 2000

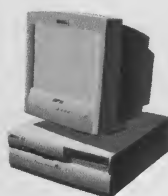
\$1399*



Vectra VL400

Minitower model P4153T: Intel Pentium III processor 1GHz/Intel i815 chipset/
128MB SDRAM/20GB HDD/48X max CD-ROM/Intel Direct 3D integrated video/
3Com 10/100 integrated LAN/Windows 2000

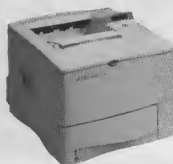
\$1419*



Vectra VL800

Desktop model P3631T: Intel Pentium 4 processor 1.4GHz/Intel i850 chipset/
128MB Rambus/20GB HDD/48X max CD-ROM/Matrox G450 dual-16MB video/
3Com 10/100 integrated LAN/Windows 2000

\$2199*



LaserJet 4100

1200-dpi print quality/25 ppm/16MB memory standard - maximum 256MB/
600 sheet input standard - maximum 1,600/250MHz processor/output capacity
300 sheets/150,000 pages per month duty cycle

\$1099*

SOFTWARE

AVX PROFESSIONAL

An Alternative Virus Vaccine

ANTIVIRUS PROGRAMS TAKE TOO LONG TO SCAN large hard drives, add seconds to bootup, and mess up OS reinstalls. But contracting a virus is even worse, so we put up with these nuisances as the price of security. With Norton and McAfee antivirus programs so well established, why look at an alternative?

One reason is that the modular construction of Central Command's \$38.95 AVX Professional offers greater flexibility. Another is its clean and simple interface. It also boots in less time than its competitors. Nine modules ship with the program: Quarantine, Scheduler, Script Wall, Download Control, Live, Shield, Mail Monitor, and AVX for Office 2000, plus a monitor for the popular chat program ICQ.

The Quarantine module places infected or suspected files in a separate directory. Script Wall monitors scripts for any known or possible

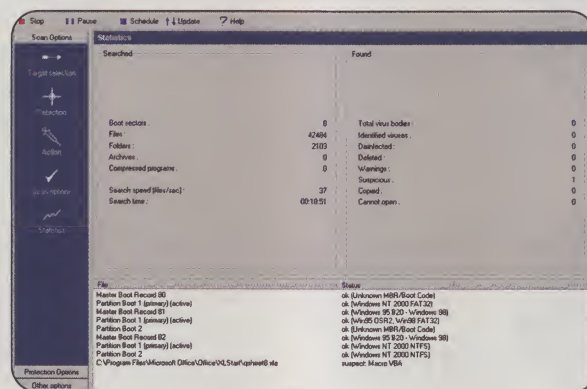
viruses, and blocks suspect scripts from executing. The Office module checks all files loaded into an Office 2000 program for viruses, while Shield provides real-time monitoring. The Live module is interesting, allowing AVX Professional to self-clean should it become infected itself. Finally, the Mail Monitor checks incoming e-mail and scans messages between the time they leave your POP3 server and the time they get to your mail reader.

Taken together, these controls transform AVX Professional from a simple antivirus program to a protection suite. But the user interface is where AVX Professional shines. It has an Outlook/ FrontPage-style taskbar that lets you access all its features, and the configuration

options are simple and elegant. Also, the help system is excellent, keeping this powerful program from being intimidating.

Actual virus scanning is quite slow, however, and setting up an individual subfolder for scanning is clumsy. Still, AVX Professional takes less time to load at Windows boot time, which makes it worth considering over its better-known competitors.

—Neil Randall



EDITORS' RATING 6.8

RATED 1 TO 10

EASE OF USE	7
INSTALLATION	7
SECURITY AND ANTIVIRUS	6
SUPPORT AND UPDATES	7
VALUE	7

- Well-designed interface; suite of security utilities; modular design for easy add-ons; aggressive e-mail blocking
- Scanning individual files and folders hard to figure out; gobbles system resources; scans are slow

PRODUCT: AVX Professional
COMPANY: Central Command
Medina, OH
866-243-8289, 330-723-2062
www.centralcommand.com

REQUIRES: 16MB RAM; 8MB hard drive space; Windows 95, 98, Me, 2000, or NT

MFR. EST. PRICE: \$38.95

Price It!
3 4 3 0 4

For real-time pricing, go to priceit.zdnet.com and enter number.

MEDIA JUKEBOX 6.0

The Mother of All Media Players

AT FIRST GLANCE, J. RIVER'S \$24.98 MEDIA JUKEBOX 6.0 doesn't impress. The interface is cluttered with a row of 23 buttons and relies too much on lists and scrollbars for navigation. Dig deeper into the program and its features, however, and you'll find a powerful and logically structured media player.

Media Jukebox currently supports more than 20 media-file formats, including MP3, Windows Media Audio (WMA), RealAudio, QuickTime, and Liquid Audio. It can rip audio CDs and encode to MP3, WMA, Ogg Vorbis (OGG), and Monkey's Audio (APE). You can even watch DVDs with the program if you have a DVD-ROM drive, or view broadcast and cable television if you have an ATI TV card.

The Media Search feature lets you choose which audio-file formats to search for on your hard drive, conveniently sorting them by artist, category, and recently imported. A conversion tool lets you convert between file formats

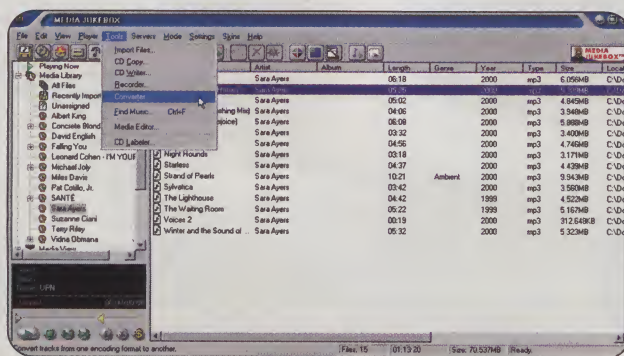
(such as from MP3 to WMA) and between bit rates (such as from 128kbps to 96kbps).

Media Jukebox uses its plug-in architecture for a wide range of functions, including visualizations, input-file formats, encoders, and DSP engines for audio processing. The plug-in architecture is compatible with Nullsoft Winamp, so you can use the visualizations and audio-manipulation plug-ins that have made Winamp so popular. Installing plug-ins is easy: Make your choice in the built-in browser window, and the download and installation is handled from within the application.

Until version 6.0, Media Jukebox was entirely free; now when you download the program, you can use it free for 30 days. After

that, you lose some features unless you pay. Those extra features include software-based DSP, a Media Scheduler that lets you automate playback and recording sessions, a Media View for browsing audio files, and the ability to encode at up to 320kbps. While competing programs make you pay before you can try the premium features, J. River's approach lets you spend some time with the full version before you buy.

—David English



EDITORS' RATING 6.8

RATED 1 TO 10

COMPATIBILITY	8
DESIGN	6
EASE OF USE	6
FEATURES	7
PERFORMANCE	7
VALUE	7

- Supports 20 file formats; can use Winamp visualizations and plug-ins; DVD and TV-station viewing
- Cluttered rows of buttons; overreliance on lists and scrollbars

PRODUCT: Media Jukebox 6.0
COMPANY: J. River
Minneapolis, MN; 612-677-8200
www.jriver.com

MFR. EST. PRICE: \$24.98

Price It!
3 4 3 1 0

For real-time pricing, go to priceit.zdnet.com and enter number.



omnibook 500,
light as a 3.5 lb. feather.



hp omnibook 500 notebook - \$1699[†]*

Model F2158KT. Mobile Intel® Celeron™ processor 500MHz / 64MB SDRAM / 7.5GB HD / 12" TFT display / 3Com® mini-PCI integrated 56K modem / 1-year limited warranty / Windows® 2000

[†]with instant \$100 rebate when you purchase now at 1-800-656-6018

hp officejet k80xi - \$399*

printer/fax/scanner/copier / 12 ppm black, 10 ppm color / 100 pages of fax memory, 80 speed dials, 10 one-touch keys and 33.6Kbps modem / 20-page automatic document feeder



i n v e n t

buy.hp.com | 1-800-656-6018

**HP recommends Windows 2000
Professional for business.**

[†]\$100 rebate offer good through May 31, 2001. Price before rebate is \$1799. *Prices are estimated street price. Actual prices may vary. Intel and the Intel Inside Logo are registered trademarks and Celeron is a trademark of Intel Corporation. All other registered trademarks are property of their respective owners. ©2001 Hewlett-Packard Company. All rights reserved.

AIMSTER 3.19 (BETA)

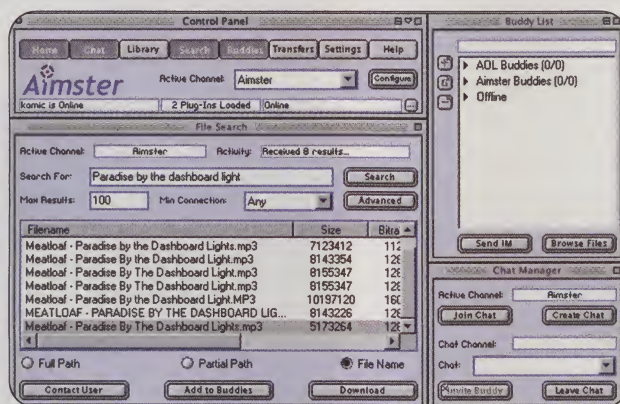
WEB
SERVICES

Take Aim at File Swapping

beta BY THE TIME YOU READ THIS, MOST NAPSTER FANS will probably be searching for an alternative source for their MP3 downloads. Aimster's self-named file-swapping client lets you search for any kind of file across multiple networks, and it also lets you search for files shared by your instant-messaging buddies.

The Aimster client searches various networks via plug-ins.

At the time of this writing, Aimster 3.19 was still in beta, and the only available plug-ins were for Napster and AOL Instant Messenger. (Upcoming plug-ins include Microsoft Networking, ICQ, and OpenNap.) The program features nine panes (Control Panel, Home, Chat, Library, Search, Buddies, Transfers, Settings, and Help), four of which are usually docked together. You can resize and move the individual panes,



however, and a choice of six skins permits further customization.

The Search pane is Aimster's heart, although compared to Napster's search engine, it's sorely lacking. You can search by keyword, type of file, and bit rate—but that's it. You can't search by title or artist's name, and search delimiters don't work. But you can search the still-legal Gnutella network, and our searches yielded a broad range of MP3 files.

Aimster's Buddy List lets you keep track of multiple buddy lists. You can send instant messages from within the program, but more important, you can trade files directly with your Aimster buddies. Clicking a nickname

and then the Browse Files button lets you peruse and download shared files. If you're having trouble finding Aimster buddies, visit the Aimster chat rooms.

Aimster is still buggy, and you'll need to visit the Aimster Web site in a separate browser to view the help files or the tutorial. Although its search capabilities are more limited than we'd like, Aimster's chat and buddy-list functions make it a legal, convenient means of swapping files over the Internet.

—Kiersten Conner-Sax

EDITORS' RATING **6.0**

RATED 1 TO 10

EASE OF USE 6
FEATURES 8
PERFORMANCE 6
SERVICE AND SUPPORT 4
VALUE 6

Quick to install and start searching; legal; instant-messaging functionality
Buggy; limited search functionality

SERVICE: Aimster 3.19 (beta)

COMPANY: Aimster

Troy, NY

www.aimster.com

PRICE: Free

Net Price It!
3 4 3 6 0

For real-time pricing, go to priceit.zdnet.com and enter number.

NETFLIX

Unlimited DVDs By Mail



STILL DRIVING TO THE VIDEO STORE TO RENT DVD movies? You can save gas money by using Netflix, an online service that successfully revamps the concept of renting movies.

Instead of paying for individual rentals, you subscribe to Netflix for a flat monthly fee. The five available plans range from \$13.95 to \$39.95 per month, the difference being the number of movies you can have "out" at a time. At \$13.95, you can have two; \$39.95 gets you eight. No contract is required; however, you start at \$19.95 for three movies the first month, and can switch plans any time thereafter.

With a library of nearly 10,000 DVD titles, Netflix easily beats the selection of most video stores. As you browse the site, simply click the Rent button to add movies to your

rental queue. Netflix mails you the movies in the order they appear on your list, which can be prioritized as desired. When you're done with a movie, just send it back using the supplied prepaid envelope. When Netflix receives it, the next movie on your list is sent—usually the same day, and typically arriving within three days.

Unlike renting from a video store, there's no due date for the return of any movie, and therefore no late fees. This is ideal for travelers who like to watch movies on DVD-equipped notebooks. Of course, the best value comes from watching and returning movies as quickly

as possible, because your rental plan doesn't put a cap on the number of movies you can order each month, only the number you can have in your possession at any one time.

The Netflix site offers recommendations based on your movie ratings, and lets you browse by genre, category, critics' picks, and other criteria. The only downside is that you must plan your movie watching in advance. Nevertheless, for movie lovers and notebook-toting travelers, Netflix is a great value and a convenient way to rent movies.

—Rick Broida

EDITORS' RATING **8.4**

RATED 1 TO 10

EASE OF USE 9
FEATURES 8
PERFORMANCE 8
SERVICE AND SUPPORT 8
VALUE 9

Huge library of movies; five pricing plans to choose from; crackerjack recommendation system; no due dates or late fees
Takes several days for movies to arrive

SERVICE: Netflix

COMPANY: Netflix.com

Los Gatos, CA

888-638-3549, 408-399-3700

www.netflix.com

PRICE: \$13.95 to \$39.95 per month

Net Price It!
3 4 3 5 9

For real-time pricing, go to priceit.zdnet.com and enter number.



its loyalty can be easily bought.



hp netserver 1p 2000r workgroup servers
\$3869/\$4189/\$4619*

Models P1824A/P1827A/P1830A. Intel® Pentium® III processors at 866/933MHz and 1GB respectively / 133MHz front side bus / 256MB memory (upgradable to 4GB) / integrated 256K L2 cache / 6 hard disk drive capacity / embedded Ultra3 SCSI controller / embedded dual 10/100TX NIC / 2U form factor



buy hp.com | 1-800-656-6018

*Prices are estimated street price. Actual price may vary. Intel, the Intel Inside Logo and Pentium are registered trademarks of Intel Corporation. All other registered trademarks are property of their respective owners. ©2001 Hewlett-Packard Company. All rights reserved.

GAMESPOT

ODYSSEY: THE SEARCH
FOR ULYSSES

Adventures in The Old World

EDITORS' RATING **7.2**

Of all the famous Greek myths, none crams in as much action



and intrigue as Homer's epic poem *The Odyssey*. DreamCatcher Interactive's adventure game *Odyssey: The Search for Ulysses* takes an interesting perspective on this tale. Although it has some technical problems and relatively simple puzzles, the story and its characters keep things engaging.

As its name implies, *Odyssey* doesn't focus on the perilous journey of Ulysses. Instead, you play Heriseus, a convicted criminal who must seek redemption by following Ulysses' trail and returning with proof that the hero is either alive or dead. After leaving Troy, you'll travel to the island of the lotus eaters, battle a couple of angry (and hungry) Cyclopes, journey to the island of the man-eating Laestrygonians, and fall under the witchery of Circe. *Odyssey's* graphics are inconsistent, however. One

second, you may be admiring the rich, intricate details of a landscape, and the next you'll be wondering why the ocean looks like a cheap painting.

Rather than challenging you with a barrage of environmental puzzles and strange-looking gadgets, the game largely requires you to gather items and engage in conversations with other characters for clues and information. The game would be easier to play if it allowed Heriseus to examine objects and environments. As it is, you really don't know what you're about to pick up, activate, or even break until the deed is done. The inability to combine inventory objects to create new devices also limits the puzzle design.

Despite these shortcomings, once you settle into *Odyssey*, you'll be in for a rewarding adventure of epic proportions.

—Stephen Poole

(DreamCatcher Interactive; \$19.99 **34358**
www.dreamcatchergames.com)

SIMCOASTER

A Game of Ups And Downs

EDITORS' RATING **6.8**

SimCoaster is the third installment in Bullfrog's series of amusement-park-themed business simulators. Rather than building on the elegant design of last year's *SimTheme Park*, however, the game returns to the heavy micromanagement style of the

STUPID INVADERS

No Sign of Intelligent Life

EDITORS' RATING **6.6**

Based on a short-lived animated TV series called *Space Goofs*, *Stupid Invaders* is an adventure game in which you must help five stranded aliens escape our planet and the clutches of Dr. Sakarine, a mad scientist residing in the bowels of a government lab called Area 52.

Indeed, bowels play a big part in *Stupid Invaders*—so much so that you may think the designers' primary goal was to pack its four CD-ROMs with as many toilet jokes as possible. If you don't think jokes about chili and its effects on the digestive system are hilarious, much of *Stupid Invaders'* appeal will undoubtedly be lost on you.

The 3D graphics, however, are outstanding, and the character and room designs are consistently strange and engaging. The sound is also excellent, with high-quality voice acting that provides some genuinely humorous touches.

Despite the multidisc format, the game is surprisingly brief, largely because it has so few puzzles. Still, most of the puzzles are enjoyable, even if they are fairly easy. What makes the game difficult, however, are the seemingly limitless ways to die. Performing even the most innocuous action (such as pushing an elevator button) can be lethal, so frequent saves are imperative.

The easy puzzles and dazzling graphics make *Stupid Invaders* seem more like a lengthy computer animation than a fully realized adventure game. This isn't necessarily a bad thing, because the game does provide some great visuals and a few laughs. But while *Stupid Invaders* does have some undeniably funny bits, most of the time it crosses the line with no real destination in mind.

—Ron Dulin

(Ubi Soft Entertainment; \$29.99 **34357** www.ubisoft.com)



1994 original, *Theme Park*.

Mechanically, *SimCoaster* plays the same as *SimTheme Park* in that you need to properly place rides, paths, shops, facilities, and sideshow attractions. You also want to make sure your guests are always on rides or spending money, and that they have easy access from one diversion to another. You can even wander around your park in the

first-person camcorder view—a nice feature that lets you witness everything from a visitor's perspective.

The most obvious change in *SimCoaster* is its renewed emphasis on the minutiae of managing the park. You start as an employee of a theme-park management company, and are given specific goals that must be met to progress further into the game. By successfully meeting these challenges and objectives, you'll earn stock, receive promotions, open new areas to build in, and gain access to special rides.

Although complex mechanics were going on beneath the surface, *SimTheme Park* was enjoyable and easy to play. *SimCoaster* merely brings those complexities to the forefront without adding any real rewards for making you jump through the numerous hoops it places in front of you. The result is that instead of letting you create a park and watch your guests enjoy it, you now spend most of your time fretting about things like having to give a \$2 raise to a guy in an animal suit.

—Ron Dulin

(EA Games; \$39.95 **34356**
www.eagames.ea.com)

00000 = **zd** Net Price It!™

For real-time pricing, go to priceit.zdnet.com and enter number.

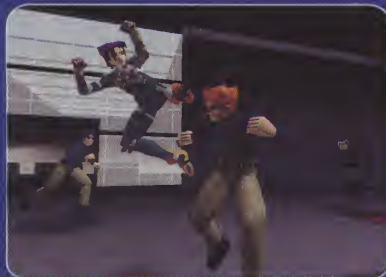
ONI

Looking for Anime Action

EDITORS' RATING **6.9**

Oni, Bungie Software's new single-player, third-person action game, can clearly trace its influences to Japanese sci-fi anime films and series such as *Ghost in the Shell* and *Bubblegum Crisis*, as well as 3D fighting games such as *Tekken* and *Virtua Fighter*. The game stays true to these roots, featuring fluid, dynamic animation, some exciting combat sequences, and a fairly involving story. Unfortunately, *Oni* suffers from a few very noticeable problems and several smaller ones, which prevent it from being entirely successful or enjoyable.

Oni puts you in the role of Konoko, a young woman with purple hair and a mysterious past. She is an expert in martial arts and is also proficient with



firearms. These traits come in handy as you guide her through more than a dozen levels filled

with treacherous enemy fighters around every corner. The combat is convincing—your punches and kicks register as you'd expect them to, and hard-hitting sound effects help get the point across.

Still, *Oni* doesn't have many interesting twists. All of its levels are quite long, and they're also very similar—and similarly bland. Most levels simply consist of gigantic, nearly empty rectangular rooms, separated by corridors, smaller rooms, and staircases. The pacing occasionally picks up when *Oni's* effective techno soundtrack kicks in.

In the end, *Oni* lacks real punch. It's a fairly ordinary third-person action game with a somewhat more robust combat engine than those found in most similar titles. —Greg Kasavin
(Gathering of Developers; \$39.99 **34320**
oni.godgames.com)

For more game reviews, go to gamespot.com.

their price doesn't affect
their sense of self-worth.



hp brio business pc - \$988*

Model P3674T: Intel® Celeron™ processor 733MHz /
128MB SDRAM / 20GB HD / 48x max CD-ROM /
HP 10/100 PCI LAN card / Windows® 2000 /

hp business inkjet 2200xi - \$499*

Photoret III color layering technology / 15 ppm black,
14 ppm color / 8MB memory - maximum 88MB /
96MHz processor / modular ink delivery system /
10,000 pages per month duty cycle

buy.hp.com | 1-800-656-6018



**HP recommends Windows 2000
Professional for business.**

*Price is estimated street price. Actual price may vary. Intel and the Intel Inside Logo are registered trademarks and Celeron is a trademark of Intel Corporation. All other registered trademarks are property of their respective owners. ©2001 Hewlett-Packard Company. All rights reserved.

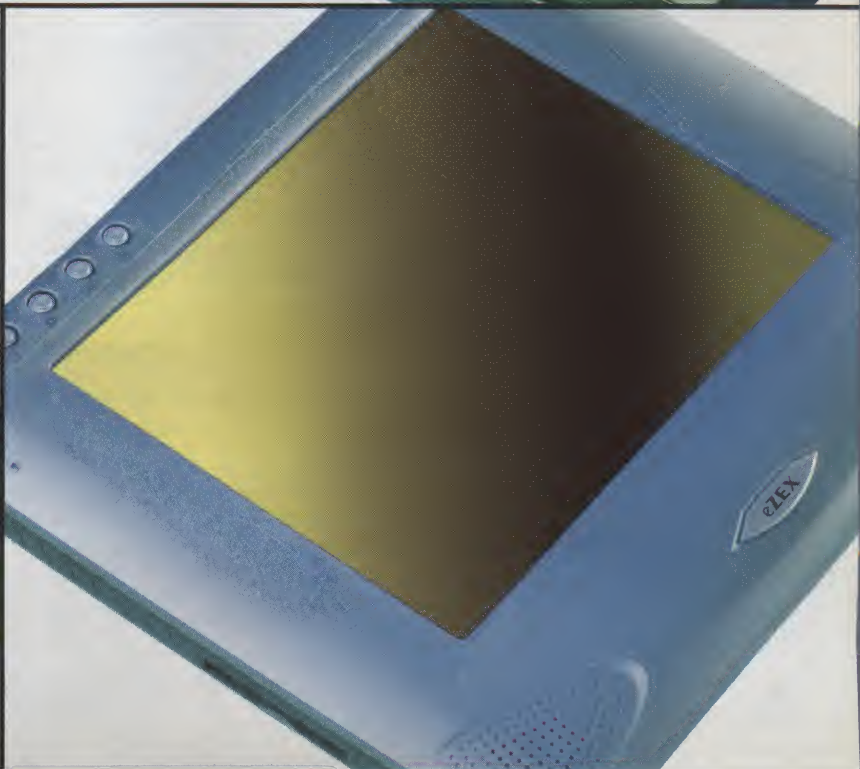
INTERNET
APPLIANCES



These
next-generation
Internet appliances
bring home the Web
with style.

BY RICK BROIDA

NOTHING but NET



< FACT FILE >

Category Tested	Internet Appliances
Price Range	\$59.99 (with three-year ISP contract) to \$499
Companies Included	3Com, eMachines, Gateway, NadaPC, New Internet Computer

It's staggering to realize that as recently as 1995, few people had even heard of the World Wide Web, and fewer still used it in any meaningful way. But here in the 21st century, it's hard to imagine life without it. Although computers get the job done for most folks, there's a clear and growing need for Web access that's inexpensive and uncomplicated—attributes that don't always apply to PCs.

Enter the Internet appliance—or, rather, reenter it. The 3Com Ergo Audrey, eMachines MSN Companion, Gateway Connected Touch Pad, NadaPC SurfBoard, and New Internet Computer NIC represent the second generation of devices designed to whisk you online easily and affordably. They do so without the hassles traditionally associated with computers, such as software crashes and hardware failures. You can shop, chat, read news, listen to music, play games, and more, all on a machine with the simplicity and reliability of a toaster.

Of course, some Internet appliances offer the versatility of a toaster as well. Many limit you to a single e-mail account, while others employ rudimentary browsers that can't access some of the Web's best features (including Java applets and streaming video). Moreover, simple

INTERNET APPLIANCES

tasks such as downloading files, word processing, and contact management are far beyond the purview of most Internet appliances. Not surprisingly, a good argument can be made that many users would be better off with an actual computer. (See the sidebar, "Which Way to the Web?")

That said, there's certainly a place for Internet appliances. Schools and libraries seeking to provide Web access on a shoe-string budget may find them ideal, as devices such as the MSN Companion and SurfBoard are virtually free (save for monthly connection charges). At the same time, the Internet appliance offers technologically challenged parents and grandparents a way to enjoy e-mail and surfing the Web without the complexity of Windows. The Audrey, Companion, and Touch Pad, for example, offer lots of handholding and instant-on, quick-connect operation.

The five machines we looked at also vary dramatically in terms of looks, capabilities, and ease of use. The Audrey,

Touch Pad, and SurfBoard all have built-in flat-panel screens and can therefore reside just about anywhere—a kitchen countertop, a hall table, or an office lobby. The

MSN Companion and NIC, meanwhile, employ traditional computer monitors, so they'll probably need a desk.

The vast majority of appliances run variations of AOL, Internet Explorer, or Netscape Navigator—each with specific strengths and weaknesses. The key aspect to consider is support for plug-ins—the software that enables online multimedia features like Java-based games and streaming audio. Most of the appliances reviewed here support some, but not all, of the more popular plug-ins.

(See the feature table for specifics.)

Consider your e-mail needs as well.

The Touch Pad provides up to seven e-mail addresses, more than enough for most families, but the Audrey and Companion offer just one address. The NIC and SurfBoard don't have inherent e-mail capabilities at all, relegating you to Web-based solutions such as Hotmail and Yahoo Mail. And only the Touch Pad and Companion include applets for instant messaging; the others require you to seek out Web-based solutions.

Finally, some appliances let you choose an Internet service provider (ISP), and others require you to subscribe to a specific service. Before you go the latter route, check to make sure local access numbers are available in your area. If not, you could wind up paying long-distance charges each time you connect.



3Com Ergo Audrey

Which Way to the Web?

With prices as high as \$499, Internet appliances aren't exactly impulse buys. If you've got that much money to spend, a full-blown PC might make more sense. You'll give up a certain level of simplicity and convenience, but you'll gain a lot more functionality.

We decided to find out what \$499 would buy in a desktop PC. We started with eMachines, a vendor known for inexpensive systems as well as for the MSN Companion appliance we looked at in this roundup. The company's eTower 600is includes a 600MHz Celeron, 32MB of RAM, a 10GB hard drive, and a 40x CD-ROM drive—all for \$399, after a \$75 rebate. A 15-inch monitor would add \$140,

however, which puts us a bit over our limit.

At Compaq's online factory outlet (www.compaqworks.com), we found a refurbished Presario 633MHz Celeron system selling for \$449, complete with 64MB of RAM, a 15GB hard drive, and even Microsoft Works 2000. A Compaq 15-inch monitor would bring our grand total to \$598—but we'd net speakers in the deal, plus a 90-day warranty.

We then headed to eBay, where we found a new, fully loaded 700MHz AMD Athlon system for \$399. Again, this was without a monitor, but we found plenty of 15-inch models selling for under \$100. (If you do decide to buy from a vendor on eBay, shop

smart: First check the vendor's ratings, then visit its Web site, and make sure phone support and a warranty are offered.)

If you're looking for the least complicated way to connect to the Web, an Internet appliance may still be your best bet. But a PC offers far more in the way of flexibility and bang for the buck. You may not get premium computer equipment at the \$500 mark, but even a relatively bare-bones PC affords a better Web-browsing experience than most Internet appliances do.

ILLUSTRATION BY DENNIS HARMS

3COM ERGO AUDREY

EDITORS' RATING **6.0**

EASE OF USE 9
 FEATURES 6
 PERFORMANCE 6

PROS: Intelligent, attractive design; good e-mail features and content channels; calendar and address book can synchronize with Palm; doesn't force you to use specific ISP

CONS: Small screen; supports only one e-mail account; flimsy keyboard; color shell costs \$50 more

As much a personal organizer as an Internet appliance, 3Com's Ergo Audrey brings an unparalleled sense of style, versatility, and innovation to the group. In addition to robust browsing and e-mail capabilities, the Audrey incorporates an address book and calendar that can be synchronized with up to two Palm handhelds.

The \$499 Audrey is a class act, from its attractive packaging and exceptional manual to its comfortable translucent stylus and modern, silver-accented screen (available in five optional, pleasing pastel colors). When not in use, its wireless keyboard hangs unobtrusively from a rear stand, making the Audrey a thankfully uncluttered addition to a kitchen or family room.

Unlike most Internet appliances, this one doesn't tie you to a proprietary ISP. Rather, you bring your own Internet access (any dial-up or broadband service but AOL). If you don't have an ISP, the Audrey can set you up with AT&T WorldNet at \$14.95 per month. Regardless of your service provider, you're limited to one e-mail account—a potential problem for families wanting to share the machine.

If you can get by with that one account, you'll find that e-mail is a strong suit of the Audrey. You can type messages, scribble them on the screen—such notes are sent as GIF images—or even send a voice note using the built-in microphone. When new mail arrives,

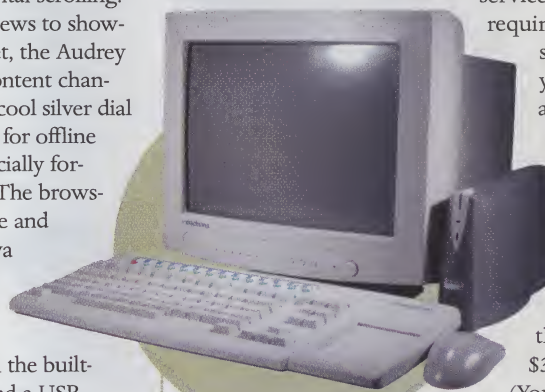
INTERNET APPLIANCES

the e-mail button flashes, as does the top of the stylus (when holstered).

Web browsing is pleasant enough on the Audrey's 7.6-inch, 640x480 color touch screen, although it requires a fair amount of vertical and horizontal scrolling. For everything from news to show-biz to the stock market, the Audrey includes predefined content channels—accessible via a cool silver dial and updated regularly for offline viewing—that are specially formatted for its screen. The browser supports Shockwave and RealAudio, but not Java applets.

You can expand the Audrey with speakers (even though the built-in pair sound great) and a USB printer, one of several compatible Canon models. A serial port lets you plug in a Palm HotSync cradle.

Though limited in some respects (where's the ability to scribble Post-it-style notes?), the 3Com Ergo Audrey is a major step in the right direction for Internet appliances.



eMachines MSN Companion

MSN Companion, which employs a mouse, a full-size keyboard, and an optional industry-standard desktop monitor. The only diminutive part is the tiny tower to which all the components connect.

But if space isn't your primary concern, you're sure to like the Companion. Offered as a buying incentive for Microsoft's MSN service, the device requires an MSN subscription. When you sign up for a three-year contract at \$21.95 per month, Microsoft gives you a \$400 credit, which more than covers the Companion's \$349 price.

(You can use the remaining \$51 only for eMachines merchandise.) This isn't a required purchase plan, but it's definitely the best deal.

You'll need a monitor to go with the Companion; we tested a 15-inch eMachines model and found the picture fuzzy. Fortunately, any third-party monitor will work. You can also connect an Epson Stylus Color 740 printer and any external PC speaker system, a recommended alternative to the tower's anemic built-in speaker.

The first time you power up the Companion, you have the option of taking a tour of features and operations—an excellent introduction for novices. The documentation, also tailored to beginners, supplements this information nicely. But what really simplifies the Companion experience

EMACHINES MSN COMPANION

EDITORS' RATING **7.6**

EASE OF USE 8
 FEATURES 6
 PERFORMANCE 8

PROS: Very easy to use; supports popular Web plug-ins; excellent keyboard and mouse; free with three-year MSN contract

CONS: Requires nearly as much space as a PC; requires additional monitor purchase; only one e-mail account; no broadband or Ethernet support

Part of the appeal of an Internet appliance is that it requires less space than a traditional PC. Not so with the eMachines

< FEATURE COMPARISON >

	3Com Ergo Audrey	eMachines MSN Companion	Gateway Connected Touch Pad	NadaPC SurfBoard	New Internet Computer NIC
DIRECT PRICE	\$499	\$349 (mfr. est.), plus \$21.95 a month	\$499, plus \$21.95 a month	\$59.99 (shipping), plus \$21.95 a month (with three-year contract)	\$319.98
Display	7.6-inch flat-panel LCD	Monitor (not included)	10-inch flat-panel LCD	8.2-inch dual-scan LCD	15-inch monitor
Number of E-Mail Accounts Supported	One	One	Seven	None	None
Broadband Support	Yes	No	Yes	No	Yes
Flash/Java/Shockwave Support	Yes/no/yes	Yes/yes/no	No*/no/no	No/no**/no	Yes/yes/yes
Support for Streaming Audio/Video	Yes/no	Yes/yes	Yes/yes	No/no	Yes/yes
Built-In Instant Messaging	No	Yes	Yes	No	No
Download Capability	No	No	No	Yes	No
Printing Capability	Yes	Yes	Yes	Yes	Yes
Ports	Two USB, two RJ-11, serial, speaker	Two USB, RJ-11, PS/2, VGA, speaker	Two USB, two RJ-11, HomePNA	Two USB, serial, PC Card, IR, CompactFlash, headphone, mic	Two USB, two RJ-11, two PS/2, Ethernet, VGA, game, speaker, line-in, mic
Ethernet Support	Optional	No	Optional	No	Yes
SERVICE AND SUPPORT	One-year limited warranty; online support; optional support packages available	Toll-free technical support for 15 days after first call, \$20 a call thereafter	One-year limited warranty	Online support	One-year limited warranty; toll-free technical support, 24 hours daily

* = Company expects Flash support to be enabled by the time you read this.

** = Company expects to add Java support soon.

**INTERNET
APPLIANCES**

is the keyboard, which has more than 20 clearly labeled shortcut keys and buttons. A single press zips you directly to e-mail, shopping, music, and many other destinations, all predetermined and unalterable.

Because the Companion runs at 800x600, Web browsing is a comfortable experience that rarely requires horizontal scrolling. Vertical scrolling is made easy thanks to the wheel-equipped mouse. Moreover, the MSN interface is gleefully uncomplicated, and the browser, a special version of Internet Explorer 4.0, supports Web amenities such as Java applets, streaming audio, and streaming video.

The Companion includes a generic but capable e-mail client, and automatically dials in to check for overnight e-mails. Alas, it, too, limits you to a single e-mail account, so families have no choice but to share, or branch out to Web-based solutions like Hotmail. But that's the product's only major shortcoming. Otherwise, it's a well-rounded, extremely accessible Internet appliance that merits consideration by schools and novice users.

GATEWAY CONNECTED TOUCH PAD**EDITORS' RATING 6.0**

EASE OF USE	5	SERVICE AND SUPPORT	8
FEATURES	7	VALUE	4
PERFORMANCE	6		

PROS: Versatile, futuristic design; provides AOL's best features; wireless keyboard doesn't require line of sight; can be mounted under a cabinet

CONS: Stiff keyboard; terrible pointing device; touch-screen calibration problems; inconvenient stylus placement; can't switch screen names without signing off

Perhaps best described as an "AOL appliance," Gateway's \$499 Connected Touch Pad packs the bulk of the AOL service into a compact, stylish station that consists of a flat-panel touch screen and a wireless keyboard. For the home already entrenched in AOL or the novice user who needs the friendliest possible Internet experience, Gateway's entry has the makings of a killer combination.

Setup takes all of five minutes. Four included AA batteries power the keyboard, and the screen plugs into an AC outlet and phone jack. The unit has a pass-through

jack for a phone, a HomePNA adapter for connecting to a phone-line home network, and a pair of USB ports. The 10-inch LCD screen, flanked by speakers built into the bezel, fits nicely in tight spaces and can even mount under a kitchen cabinet.

The Touch Pad runs a tab-based version of AOL that includes familiar trappings: instant messaging, chat rooms, and e-mail (unfortunately, with no support for attachments). The keyboard's

17 clearly labeled buttons enable quick access to popular areas, a plus because

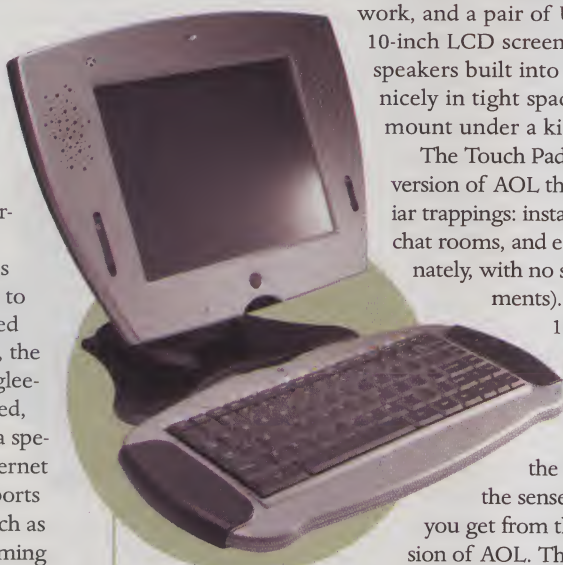
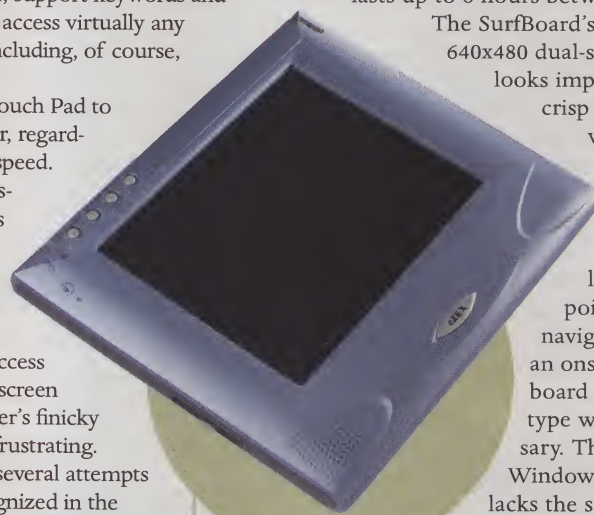
the software stifles the sense of exploration you get from the desktop version of AOL. The software does, however, support keywords and lets you access virtually any

AOL destination, including, of course, the Web.

We found the Touch Pad to be a slow performer, regardless of connection speed. We also strongly disliked the keyboard's rubberized cursor-control stick, the sensitivity of which cannot be adjusted. You can access AOL via the touch screen instead, but the latter's finicky calibration proved frustrating. Sometimes it took several attempts for a tap to be recognized in the right spot. Worst of all, the keyboard lacks scroll buttons—a desperately needed feature.

Despite the keyboard's overly stiff keys, the Touch Pad excels at e-mail. It's less adept with the Web, as the omnipresent navigation tabs reduce your browsing area by approximately 20 percent, thereby forcing a lot of scrolling. You can listen to RealAudio-driven Web radio via the headphone jack or the decent-sounding speakers, but Shockwave and Java aren't supported.

While it has some merit as a gateway to AOL for newbies, the Gateway Connected Touch Pad has a few too many strikes against it. AOL offers enough simplicity on a real PC to obviate the need for a device like this.

**Gateway Connected Touch Pad****NadaPC SurfBoard****NADAPC SURFBOARD****EDITORS' RATING 4.6**

EASE OF USE	5	SERVICE AND SUPPORT	3
FEATURES	4	VALUE	6
PERFORMANCE	5		

PROS: Highly portable; hardware is free with three-year service contract; very expandable; bright screen; rechargeable battery; plays MP3 files

CONS: Doesn't do e-mail; rudimentary browser; bare-bones version of Windows CE tanks the whole device

Whereas most Internet appliances tether you to a desk—or at least a counter-top—the NadaPC SurfBoard gives you the freedom to lounge around. This lap-friendly tablet PC, which measures 8.3x9.8x0.8 inches (HWD), needs only a phone jack, so you can curl up in a favorite chair while you surf. And if you spring for the optional wireless kit, there's nothing to keep you from browsing on the patio.

With its color touch screen and stylus-driven operation, the attractively styled 2.2-pound SurfBoard bears closer resemblance to an oversize handheld PC than a traditional Internet appliance. It even has an internal nickel metal-hydride rechargeable battery that, according to NadaPC, lasts up to 8 hours between charges.

The SurfBoard's 8.2-inch, 640x480 dual-scan display looks impressively crisp and bright when viewed head-on. A holster-plastic stylus provides point-and-tap navigation, while an onscreen keyboard lets you tap-type when necessary. The unit runs Windows CE, but lacks the scheduling, contact-management, and handwriting-recognition applications found in other iterations of that OS. More important, it also lacks an e-mail client, so any messaging must be done with Web-based solutions.

Speaking of the Web, the SurfBoard provides a familiar browsing experience, thanks to the presence of Internet Explorer. And though this limited, outdated version of the browser doesn't do Java, Shockwave, or streaming anything, it does allow you to download files (but only into RAM, where they're lost once you power down).

The SurfBoard is surprisingly expandable, with a Type II PC Card slot, occupied

NEW! UNITED M6100

AMD ATHLON THUNDERBIRD PROCESSOR

& 266MHz TRANSFER RATE

128MB PC2100 DDR 266MHz

NEW 64MB DDR NVIDIA GEFORCE2 ULTRA 4X AGP

60GB 7200 RPM ULTRA ATA100 HD

1.44MB FLOPPY DRIVE, 2 USB PORTS

16X DVD-ROM DRIVE

56K V.90 FAX/MODEM W/VOICE

CREATIVE LABS SOUND BLASTER LIVE!VALUE

ALTEC LANSING ACS54, 4 SPEAKERS W/SUBWOOFER

INTERNET KEYBOARD & SCROLLING MOUSE

MICROSOFT WINDOWS MILLENNIUM OR 98 2ND EDITION

THE ULTIMATE PC BUNDLE: STAROFFICE SUITE, PERSONAL

PRODUCTIVITY, INTERNET & UTILITY, ENTERTAINMENT.

ENLIGHT 7237 MID-TOWER ATX 300WT (AMD CERTIFIED)

19" 26 SVGA COLOR MONITOR PNP, 1600X1200

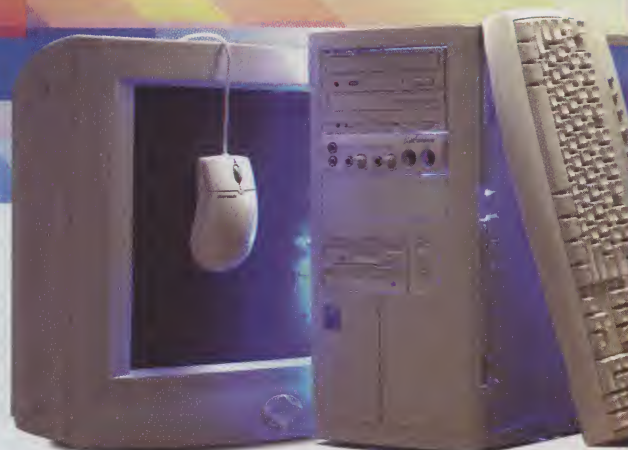
900MHz...\$1499 1.2GHz...\$1589

1GHz...\$1539 1.3GHz...\$1619

1.1GHz...\$1559 1.4GHz...\$1679



Microsoft OEM
System Builder
Program
member 1998



Build your system today @ UNITEDMICRO.com

UNITED M4000

AMD ATHLON THUNDERBIRD PROCESSOR

& 266MHz TRANSFER RATE

128MB PC2100 DDR 266MHz

NEW 32MB DDR NVIDIA GEFORCE2 PRO 4X AGP

40GB 7200 RPM ULTRA ATA100 HD

1.44MB FLOPPY DRIVE, 2 USB PORTS

8X/4X/32X MAX CD-RW DRIVE

56K V.90 FAX/MODEM W/VOICE

CREATIVE LABS SOUND BLASTER LIVE!VALUE

ALTEC LANSING ACS54, 4 SPEAKERS W/SUBWOOFER

INTERNET KEYBOARD & SCROLLING MOUSE

MICROSOFT WINDOWS MILLENNIUM OR 98 2ND EDITION

THE ULTIMATE PC BUNDLE: STAROFFICE SUITE, PERSONAL

PRODUCTIVITY, INTERNET & UTILITY, ENTERTAINMENT.

ENLIGHT 7237 MID-TOWER ATX 300WT (AMD CERTIFIED)

19" 26 SVGA COLOR MONITOR PNP, 1600X1200

900MHz...\$1339 1.2GHz...\$1419

1GHz...\$1369 1.3GHz...\$1439

1.1GHz...\$1389 1.4GHz...\$1499



UNITED M3000

AMD ATHLON THUNDERBIRD PROCESSOR

& 266MHz TRANSFER RATE

128MB 133MHz SDRAM

NEW 64MB NVIDIA GEFORCE2 MX400 4X AGP

30GB 7200 RPM ULTRA ATA100 HD

1.44MB FLOPPY DRIVE, 2 USB PORTS

16X DVD-ROM DRIVE

56K V.90 FAX/MODEM W/VOICE

CREATIVE LABS SOUND BLASTER 128 PCI PNP

ALTEC LANSING ACS 45 SOUND SYSTEM

INTERNET KEYBOARD & SCROLLING MOUSE

MICROSOFT WINDOWS MILLENNIUM OR 98 2ND ED.

THE ULTIMATE PC BUNDLE: STAROFFICE SUITE, PERSONAL

PRODUCTIVITY, INTERNET & UTILITY, ENTERTAINMENT.

ENLIGHT 7237 MID-TOWER ATX 300WT (AMD CERTIFIED)

CYBERVISION C70 17" 27 PNP, 1280X1024

900MHz...\$1119 1.2GHz...\$1199

1GHz...\$1149 1.3GHz...\$1219

1.1GHz...\$1169 1.4GHz...\$1269



UNITED M2000

AMD ATHLON THUNDERBIRD PROCESSOR

& 266MHz TRANSFER RATE

128MB 133MHz SDRAM

NEW 32MB NVIDIA GEFORCE2 MX200 4X AGP

20GB 7200 RPM ULTRA ATA100 HD

1.44MB FLOPPY DRIVE, 2 USB PORTS

8X/4X/32X MAX CD-RW DRIVE

56K V.90 FAX/MODEM W/VOICE

SOUND BLASTER, PCI 3D SOUND CARD, 4-CHANNEL

ALTEC LANSING ACS 33 SOUND SYSTEM

INTERNET KEYBOARD & SCROLLING MOUSE

MICROSOFT WINDOWS MILLENNIUM OR 98 2ND ED.

THE ULTIMATE PC BUNDLE: STAROFFICE SUITE, PERSONAL

PRODUCTIVITY, INTERNET & UTILITY, ENTERTAINMENT.

ENLIGHT 7237 MID-TOWER ATX 300WT (AMD CERTIFIED)

CYBERVISION C70 17" 27 PNP, 1280X1024

900MHz...\$999 1.2GHz...\$1079

1GHz...\$1019 1.3GHz...\$1099

1.1GHz...\$1039 1.4GHz...\$1149



UNITED M1000

AMD DURON PROCESSOR

& 200MHz TRANSFER RATE

128MB 133MHz SDRAM MEMORY

S3 SAVAGE4 4X AGP

20GB 7200 RPM ULTRA ATA100 HD

1.44MB FLOPPY DRIVE, 4 USB PORTS

56X MAX CD-ROM DRIVE

56K V.90 FAX/MODEM W/VOICE

CREATIVE LABS SOUND BLASTER, 4 CHANNEL

MULTIMEDIA AMPLIFIER SPEAKER SYSTEM 120WT

INTERNET KEYBOARD & SCROLLING MOUSE

MICROSOFT WINDOWS MILLENNIUM OR 98 2ND ED.

THE ULTIMATE PC BUNDLE: STAROFFICE SUITE, PERSONAL

PRODUCTIVITY, INTERNET & UTILITY, ENTERTAINMENT.

ENLIGHT 7237 MID-TOWER ATX 300WT (AMD CERTIFIED)

CYBERVISION C70 17" 27 PNP, 1280X1024



UNITED M9000

NEW INTEL PENTIUM 4 PROCESSOR

& 400MHz SYSTEM BUS

128MB PC800 SDRAM SAMSUNG

NEW 64MB NVIDIA GEFORCE2 MX400 4X AGP

60GB 7200RPM ULTRA ATA100 HD

1.44MB FLOPPY DRIVE, 2 USB PORTS

16X MAX DVD-ROM DRIVE

56K V.90 FAX/MODEM W/VOICE

CREATIVE LABS SOUND BLASTER LIVE!VALUE

ALTEC LANSING ACS54, 4 SPEAKERS W/SUBWOOFER

INTERNET KEYBOARD & SCROLLING MOUSE

MICROSOFT WINDOWS MILLENNIUM OR 98 2ND EDITION

THE ULTIMATE PC BUNDLE: STAROFFICE SUITE, PERSONAL

PRODUCTIVITY, INTERNET & UTILITY, ENTERTAINMENT.

INWIN ATX MID TOWER CASE W/300WT

19" 26 SVGA COLOR MONITOR PNP, 1600X1200

1.3GHz...\$1499

1.4GHz...\$1619

1.5GHz...\$1799



UNITED M8000

NEW INTEL PENTIUM 4 PROCESSOR

& 400MHz SYSTEM BUS

128MB PC800 SDRAM SAMSUNG

NEW 32MB DDR ATI RADEON 4X AGP

20GB 7200RPM ULTRA ATA100 HD

1.44MB FLOPPY DRIVE, 2 USB PORTS

8X/4X/32X MAX CD-RW DRIVE

56K V.90 FAX/MODEM W/VOICE

CREATIVE LABS SOUND BLASTER 128PCI PNP

ALTEC LANSING ACS33 SOUND SYSTEM

INTERNET KEYBOARD & SCROLLING MOUSE

MICROSOFT WINDOWS MILLENNIUM OR 2000 PROFESSIONAL

THE ULTIMATE PC BUNDLE: STAROFFICE SUITE, PERSONAL

PRODUCTIVITY, INTERNET & UTILITY, ENTERTAINMENT.

INWIN ATX MID TOWER CASE W/300WT

CYBERVISION C70 17" 27 PNP, 1280X1024

1.3GHz...\$1259

1.4GHz...\$1369

1.5GHz...\$1559



UNITED M7000

INTEL PENTIUM III PROCESSOR

& 133MHz TRANSFER RATE

128MB PC133MHz SDRAM (266MHz DDR OPTIONAL)

NEW 64MB NVIDIA GEFORCE2 MX400 4X AGP

40GB 7200RPM ULTRA ATA100 HD

1.44MB FLOPPY DRIVE, 2 USB PORTS

16X MAX DVD-ROM DRIVE

56K V.90 FAX/MODEM W/VOICE

CREATIVE LABS SOUND BLASTER LIVE!VALUE

ALTEC LANSING ACS54, 4 SPEAKERS W/ SUBWOOFER

INTERNET KEYBOARD & SCROLLING MOUSE

MICROSOFT WINDOWS MILLENNIUM OR 98 2ND EDITION

THE ULTIMATE PC BUNDLE: STAROFFICE SUITE, PERSONAL

PRODUCTIVITY, INTERNET & UTILITY, ENTERTAINMENT.

MID TOWER ATX 250WT POWER SUPPLY

CYBERVISION C70 17" 27 PNP, 1280X1024

800MHz...\$1119 933MHz...\$1169

866MHz...\$1139 1GHz...\$1199



UNITED M6000

INTEL PENTIUM III PROCESSOR

& 133MHz TRANSFER RATE

128MB PC133MHz SDRAM (266MHz DDR OPTIONAL)

NEW 32MB NVIDIA GEFORCE2 MX200 4X AGP

20GB 7200RPM ULTRA ATA100 HD

1.44MB FLOPPY DRIVE, 2 USB PORTS

8X/4X/32X MAX CD-RW DRIVE

56K V.90 FAX/MODEM W/VOICE

PCI 3D WAVETABLE STEREO CARD

ALTEC LANSING ACS 33 SOUND SYSTEM

INTERNET KEYBOARD & SCROLLING MOUSE

MICROSOFT WINDOWS MILLENNIUM OR 98 2ND EDITION

THE ULTIMATE PC BUNDLE: STAROFFICE SUITE, PERSONAL

PRODUCTIVITY, INTERNET & UTILITY, ENTERTAINMENT.

MID TOWER ATX 250WT POWER SUPPLY

CYBERVISION C70 17" 27 PNP, 1280X1024

800MHz...\$969 933MHz...\$1019

866MHz...\$989 1GHz...\$1049



UPGRADES/UPGRADES

USB DIGITAL VIDEO CAMERA.....	\$30
100MB ZIP DRIVE Int. IDE.....	\$40
250MB ZIP DRIVE Int. IDE.....	\$80
LS-120MB SUPERDISK DRIVE.....	\$69
36-bit COLOR FLATBED SCANNER.....	\$69
3COM 32-BIT 10/100 NETWORK CARD.....	\$45
CD-ROM REWRITABLES.....	
8X/4X/32X IDE.....	\$99
12X/10X/32X IDE.....	\$199
SOFTWARE.....	
MS OFFICE 2000 PROFESSIONAL EDITION.....	\$289
MS WINDOWS 2000.....	\$149
LOTUS SMART SUITE MILLENNIUM.....	\$10

OUR PREASSEMBLED BAREBONE KITS WILL SAVE YOU MONEY!

ASUS CUSL2-C/INTEL D815EEA

INTEL 815E CHIPSET SUPPORT

4X AGP, 6PCI, 1AMR

ATA 100, 4 USB PORTS

128MB PC133 SDRAM

1.44 3.5" FLOPPY DRIVE

MID TOWER PREMIER CASE, ATX, 300WT

PS/2 ENHANCED KEYBOARD, PS/2 MOUSE

INTEL PIII 866MHz.....\$421

INTEL PIII 933MHz.....\$459

INTEL PIII 1GHz.....\$499

ABIT KT7A/ASUS A7V133

AMD ATHLON™ K7, MBD KT-133A

4X AGP, 5 PCI, 1 AMR

ATA100, 4 USB PORTS

128MB PC133 SDRAM

1.44 3.5" FLOPPY DRIVE

MID TOWER PREMIER CASE, ATX, 300WT

PS/2 ENHANCED KEYBOARD, PS/2 MOUSE

AMD ATHLON™ K7 1GHz.....\$452

AMD ATHLON™ K7 1.1GHz.....\$479

AMD ATHLON™ K7 1.2GHz.....\$509

ASUS A7A266/GIGABYTE 7DX

AMD 761 CHIPSET SUPPORT

4X AGP, 5 PCI, 1 AMR

ATA 100, 4 USB PORTS

128MB PC2100 DDR 266MHz

1.44 3.5" FLOPPY DRIVE

MID TOWER PREMIER CASE, ATX, 300WT

PS/2 ENHANCED KEYBOARD, PS/2 MOUSE

AMD ATHLON™ K7 1GHz.....\$545

AMD ATHLON™ K7 1.1GHz.....\$566

AMD ATHLON™ K7 1.2GHz.....\$599

Tech Support: 1-800-943-7255
International Sales: 440-498-0993
Sales Fax Line: 440-498-7214
5835 Harper Rd, Solon, Ohio 44139
We accept all major Credit Cards.

UNITEDMICRO

1800-943-7255

Quality Assured • 3 Years Parts / 5 Years Labor • Lifetime Free Tech Support • 72 Hours Burn-In On Systems • Only Brand Name Components • Over 8 Years of Experience in the Computer Industry • 30 Day Money Back

All Prices Subject to Change Without Notice. RMA Number Required On All Returns. Shipping or optional software not refundable. No returns on custom configurations and special orders. Not responsible for typographical errors. Monitors covered by manufacturer's warranty only. All returned products must have all original packaging and be in resalable condition. No refunds or credit after 30 days. All products and company names are trademarks or registered trademarks of their respective owners.

**INTERNET
APPLIANCES**

by the included V.90 PC Card modem but ostensibly compatible with other connectivity options; a serial port; two USB ports; headphone and microphone jacks; and an infrared transmitter for wireless printing. It also has a CompactFlash slot; we popped in a memory card filled with MP3 files and found we could easily listen to our tunes.

NadaPC takes the pay-for-the-service approach to pricing. The SurfBoard is free, save for a ridiculous \$59.99 shipping charge, provided you commit to a 36-month ISP contract at \$21.95 per month.

We like the hardware and the pricing model, but the SurfBoard is a one-trick pony that doesn't do its one trick very well. Its stripped-down version of Windows CE limits the device to little more than basic Web browsing.

NEW INTERNET COMPUTER NIC**EDITORS' RATING 4.6**

EASE OF USE 4 SERVICE AND SUPPORT 6
FEATURES 5 VALUE 6
PERFORMANCE 2

PROS: No ISP contract required; monitor included; full-featured Netscape browser; Ethernet adapter; external stereo speakers
CONS: Dreadfully slow; poor picture quality; no e-mail client; takes time to boot; not novice-friendly; case becomes alarmingly hot

Like eMachines' MSN Companion, the all-black New Internet Computer NIC blurs the line between PC and appliance. In fact, you might mistake this setup—which includes a mouse, a 15-inch monitor, a desktop unit, a full-size keyboard, and external speakers—for an ordinary computer. That is, until you start using it.

An illustrated setup poster helps with hardware connections, and a slim manual explains the different ISP options. You can sign up for NetZero, a free service, or use the ISP of your choice. We attempted to work with a MindSpring account, and although the NIC supports that service, it wouldn't connect until we switched to "other" in the initial setup process and

entered all the settings manually. The 3Com Audrey acted similarly.

The \$319.98 NIC employs the Linux operating system and Netscape Navigator 4.7, both stored on a CD that must remain in the machine's 24x CD-ROM drive, which cannot be used for other software or music CDs. The NIC boots from this CD at startup, which takes well over a minute (so much for instant on), and accesses the drive frequently, and somewhat noisily, during operation.

Although it may look like a desktop PC, the NIC is a Web station and nothing more. It doesn't include an e-mail client, requiring you to use Web-based messaging options such as Yahoo Mail. On a brighter note, it does support most major plug-ins, including Java applets, Shockwave, and RealNetworks streaming audio and video. It also supports a handful of USB printers, and it comes with an Ethernet adapter for LAN or broadband connections.

Despite the presence of a 266MHz Cyrix processor, or perhaps because of it, the NIC ran at a snail's pace. Even with a reasonably speedy 46kbps dial-up connection, pages were interminably slow to load and refresh.

What's more, the picture looked blurry on the included monitor, and even on a 19-inch Samsung we had on hand. In an attempt to overcome this problem, we tried to lower the default 1,024x768 resolution to 800x600, but discovered the NIC

had no provision for doing so.

The keyboard doesn't have a single shortcut key, and the mouse lacks a scroll wheel—both important assets for any Internet appliance of this configuration. Although the New Internet Computer NIC has an amazingly low price and features a capable browser, it's too stark and awkward for novice users, and way too slow for everyone else.

DO YOU HAVE MAIL?

Although today's Internet appliances show signs of improvement, not all qualify as logical alternatives to PCs. The New Internet Computer NIC, for instance, seems like a backward step—a Web terminal that's slow, hard on the eyes, and not accommodating to beginners. The NadaPC SurfBoard, meanwhile, puts a nifty tablet in your hands for free, but does nothing more than browse static Web pages. It's none too friendly for beginners, either.

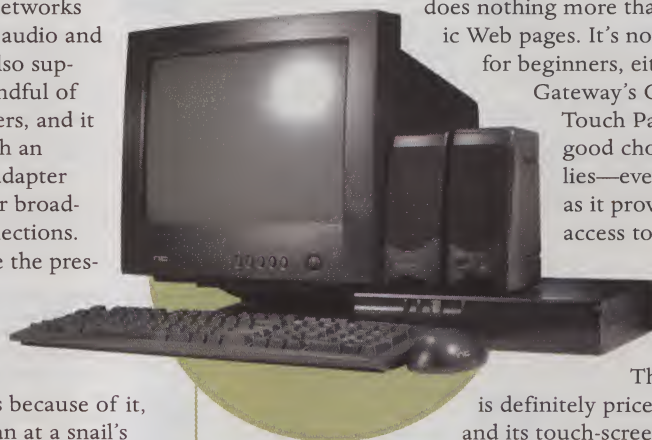
Gateway's Connected Touch Pad ranks as a good choice for families—even large ones—as it provides easy access to AOL and lets you have up to seven e-mail addresses.

The hardware is definitely pricey, however, and its touch-screen operation leaves something to be desired—namely, a mouse.

The 3Com Ergo Audrey makes a positive fashion statement while providing worthwhile innovations, such as specially formatted content channels and handwritten e-mail. It's expensive, though, and its small screen is less than ideal for Web browsing.

You get to pick the screen you use

with the eMachines MSN Companion, the best of the Internet appliances. It does just about everything a Web terminal should. Even better, it's free if you commit to 36 months of MSN—a splendid ISP. Alas, it doesn't support broadband or LANs, so, like most Internet appliances, it's best suited to individual home users and institutions not overly concerned with speed. ▼



New Internet Computer NIC

< PRODUCT SUMMARY >

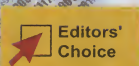
EDITORS' RATING (Rated 1 to 10)	6.0	7.6	6.0	4.6	4.6
PRODUCT	3Com Ergo Audrey	eMachines MSN Companion	Gateway Connected Touch Pad	NadaPC SurfBoard	New Internet Computer NIC
COMPANY	3Com Santa Clara, CA 877-949-3266 ergo.3com.com	eMachines Irvine, CA 877-566-3463 www.e4me.com	Gateway San Diego, CA 800-846-4208 www.gateway.com	NadaPC Santa Monica, CA 866-404-6232 signup.nadapc.com	New Internet Computer San Francisco, CA 877-926-8642 www.thinknic.com
DIRECT PRICE	\$499 (\$549 for models with color shell)	\$349 (mfr. est., before \$400 rebate with three-year ISP contract), plus \$21.95 a month	\$499, plus \$21.95 a month	\$59.99 (shipping), plus \$21.95 a month (three-year ISP contract required)	\$319.98
	34334	34335	34336	34337	34338
00000 = Net Price It! For real-time pricing, go to priceit.zdnet.com and enter number.					



WORLD'S FASTEST CPU



WORLD'S FASTEST GPU



Best Buy



RS6000



Editors' Choice

- AMD Thunderbird/Duron Ready
- 200MHz FSB and UDMA-100 Support
- VIA KT133 PC-133 and 4X AGP Support
- 128MB PC-133 SDRAM
- 30 GB UDMA-100 Hard Drive
- 56X CD ROM
- Nvidia GEFORCE 2 MX DVD Ready 3D 32MB
- Motorola PCI 56K V.90 Voice Modem
- 17" 0.27dp Digital Controlled Monitor
- PCI 3D Wavetable Stereo Sound
- MLI-460 450W Speakers w/Subwoofer
- Deluxe Windows 98 Keyboard
- Microsoft Windows 98 Second Edition
- Sun Micro StarOffice Application Suite
- 300W AMD Certified Power Supply

AMD Duron™ Processor

750 MHz **\$779** R1501

AMD Duron™ Processor

800 MHz \$789 R1502	850 MHz \$809 R1503
900 MHz \$829 R1504	

AMD Thunderbird™ w/Enhanced Cache Processor

900 MHz \$859 R1505	950 MHz \$879 R1506
1000 MHz \$889 R1507	1100 MHz \$909 R1508
1200 MHz \$939 R1509	1300 MHz \$969 R1510
1400MHz \$1,029 R1511	

The system's incredible 62.5 frames-per-second score in Quake III matches the speed of better-equipped, higher-priced PCs...the RS 6000 bested every other system in business applications tests, too. **This is the fastest sub-\$1,000 PC we've tested.**

Ms. Julie Polito, June 2000



VS6000

- AMD Thunderbird/Duron Ready
- 200MHz FSB and UDMA-66 Support
- VIA KL133 PC-133 and 4X AGP Support
- 128MB PC-133 SDRAM
- 30 GB UDMA Hard Drive
- 56X CD ROM
- S3 Savage 4 3D DVD Shared AGP
- 15" 0.28dp Digital Controlled Monitor
- Motorola PCI 56K V.90 Voice Modem
- PCI 3D Wavetable Stereo Sound
- MLI 120W PMPO Speakers
- Deluxe Windows 98 Keyboard
- Microsoft Windows 98 Second Edition
- Sun Micro StarOffice Application Suite
- 300W AMD Certified Power Supply

VS8000

- AMD Thunderbird/Duron Ready
- 200MHz FSB and UDMA-100 Support
- VIA KT133 PC-133 and 4X AGP Support
- 128MB PC-133 SDRAM
- 60 GB UDMA Hard Drive
- Creative Labs 12X DVD-ROM
- Nvidia GEFORCE 2 MX DVD 3D 32MB
- Motorola PCI 56K V.90 Voice Modem
- NEC Accusync AS70 17" Digital Controlled Monitor
- SoundBlaster 128V PCI 3D Wavetable
- Cambridge PC Works CSW100 Spkr w/Subwoofer
- Deluxe Windows 98 Keyboard
- Microsoft Windows 98 Second Edition
- Sun Micro StarOffice Application Suite
- 300W AMD Certified Power Supply

VS9000

- New AMD 760 Chipset Motherboard
- 200/266MHz FSB and UDMA-100 Support
- DDR PC1600/2100 and 4X AGP Support
- 128MB PC1600 DDR SDRAM
- 40 GB UDMA Hard Drive
- 16X DVD-ROM
- Nvidia GEFORCE 2 Pro 3D DVD 64MB
- US Robotics PCI 56K V.90 Voice Modem
- Creative SoundBlaster Live Value
- 19" 0.26dp Digital Controlled Monitor
- Altec Lansing ACS-54 4-Ch Spkr w/Subwoofer
- Microsoft Intelli Internet Keyboard
- Microsoft Intelli Mouse w/Wheel
- Sun Micro StarOffice Application Suite
- 300W AMD Certified Power Supply



AMD Duron™ Processor

at 800 MHz **\$629** V1502

AMD Duron™ Processor	
750 MHz \$619 V1501	850 MHz \$649 V1503
900 MHz \$669 V1504	

AMD Thunderbird™ w/Enhanced Cache Processor	
900 MHz \$689 V1505	950 MHz \$709 V1506
1000MHz \$719 V1507	1100MHz \$739 V1508
1200MHz \$779 V1509	1300MHz \$809 V1510
1400MHz \$859 V1511	

AMD Thunderbird™ w/Enhanced Cache

at 1 GHz **\$1,039** V2507

AMD Duron™ Processor	
750 MHz \$929 V2501	800 MHz \$939 V2502
850 MHz \$959 V2503	900 MHz \$979 V2504

AMD Thunderbird™ w/Enhanced Cache Processor	
900 MHz \$999 V2505	950 MHz \$1,029 V2506
1100MHz \$1,049 V2507	1200MHz \$1,089 V2508
1300MHz \$1,119 V2509	1400MHz \$1,179 V2511

AMD Thunderbird™ w/Enhanced Cache

at 900 MHz **\$1,339** V3505

AMD Duron™ Processor	
750 MHz \$1,259 V3501	800 MHz \$1,269 V3502
850 MHz \$1,289 V3503	900 MHz \$1,309 V3504

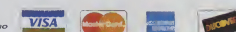
AMD Thunderbird™ w/Enhanced Cache Processor	
950 MHz \$1,359 V3506	1000MHz \$1,369 V3507
1100MHz \$1,389 V3508	1200MHz \$1,419 V3509
1300MHz \$1,449 V3510	1400MHz \$1,509 V3511



(800) 336-6898

www.buy-atlas.com

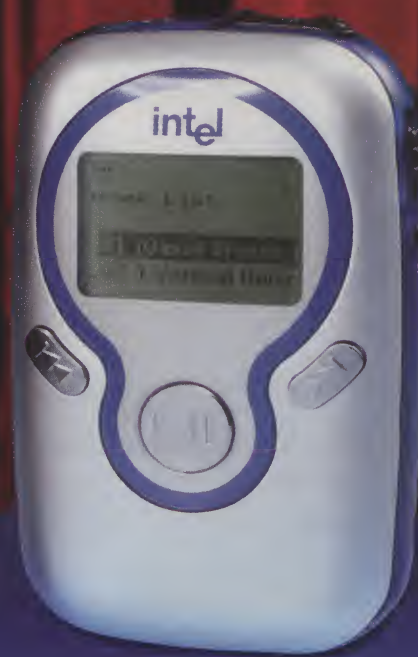
VISIT OUR WEBSITE TO CUSTOMIZE YOUR COMPUTER



©2001 Atlas Micro Logistic Inc. All rights reserved. All brands and product names are trademarks or registered trademarks of their respective companies. All prices and configurations are subject to change without notice or obligation. Original shipping charges and opened software are non-refundable. All returns have to be accompanied with an RMA number and must be in re-salable condition. Systems pictures may include some equipment and/or accessories which are not standard features. Atlas Micro Logistic Inc. is not responsible for any typographical errors.

MP3
PLAYERS

Most Valuable Players




The latest generation of MP3 players rock *and* roll.

Introduction
by Steve Schwartz
Reviews by Denny Atkin,
Aimee Baldrige,
Ken Feinstein,
and John Morris

Time will tell if MP3 players achieve the kind of universality now enjoyed by personal audio systems such as Sony's Walkman family. But whether or not the masses embrace these digital-audio devices, the early adopters already agree: They are one of the coolest inventions in the last 20 years. In addition to their incredibly compact designs (most are smaller and

< FACT FILE >

Category Tested	MP3 Players
Price Range	\$199 to \$299.99
Companies Included	Intel, Nike, Philips Electronics, Sonicblue, Thomson Multimedia,
	Intel Pocket Concert Audio Player Sonicblue Rio 800



thinner than a pack of cigarettes), most MP3 players offer the added advantages of CD-quality sound, customizable playlists, and EQ presets for different types of music or programmable equalizers—not to mention playback that never skips a beat.

You need to keep several things in mind when shopping for an MP3 player. First and foremost is the type of memory the player uses and the amount it ships with. Most players let you add more memory via SmartMedia or CompactFlash cards. Although these cards are not cheap, at least they are easy to find. A few players use proprietary memory formats that are just as expensive, if not more so, and more difficult to come by. Still, there is some progress being made in lowering the cost of memory. Intel's Pocket Concert Audio Player, for example, features a whopping 128MB of internal storage—the most currently available with any player. The unit uses a new memory format called StrataFlash memory, which Intel claims is more compact, less costly, and less power-hungry than competing formats.

Another important consideration is the player's feature set. Some players may package FM tuners or voice recorders, or both, while others may have beautiful backlit LCDs or more intuitive controls. Last, sound quality and loudness tend to vary among player models, so be sure to audition any prospective buys whenever possible. Also, pay careful attention

MP3 PLAYERS

to the included headphones; upgrading to a better grade of

headphone invariably yields better performance from any MP3 player.

The five MP3 players included here—the Intel Pocket Concert Audio Player, Nike PSA Play 120, Philips Rush SA101, RCA Lyra2 RD2211, and Sonicblue Rio 800—represent the latest wave in MP3 hardware. All have upgradable architectures that will support future digital-audio formats. In fact, the term "MP3 player" is already something of a mis-



Intel Pocket Concert Audio Player

nomer since all of these devices support at least one other format in addition to MP3.

But that's about all they have in common. These five units encompass amazing variety in terms of features, choice of headphones, design, memory, connectivity, LCDs—you get the picture. So whether you run the triathlon

in British Columbia or a bakery in Boston, you're bound to find a player that suits your individual pace and taste.

INTEL POCKET CONCERT AUDIO PLAYER

EDITORS' RATING **8.2**

DESIGN7 PERFORMANCE8
EASE OF USE9 SOUND QUALITY8
FEATURES8 VALUE9

PROS: Most built-in memory in class; easy to use; high-quality headphones; excellent accessories; bookmark feature

CONS: No memory expansion; Intel logos everywhere



Intel has managed to come up with a winner right out of the gate with its Pocket Concert Audio Player. This \$299.99 player is loaded with features and is hands down one of the easiest-to-use portable players. On top of that, it's an excellent value.

The Pocket Concert's trump card is its 128MB of built-in memory—twice the amount of most other players. This means you'll pay about \$2.34 per megabyte of storage for the Pocket Concert versus \$4.37 per megabyte for Sonicblue's Rio 800, for example. The only disadvantage to this approach is that the player lacks an expansion slot. The built-in storage is sufficient for up to 4 hours of music (encoded at 96kbps in Windows Media, or WMA, format) or 20 hours of spoken-word audio, according to Intel.

The Pocket Concert is slightly larger than a business card and less than an inch thick. At 4.3 ounces—including two standard AAA batteries—it is neither the lightest nor the heaviest MP3 player out there. But it will fit

< FEATURE COMPARISON >

	Intel Pocket Concert Audio Player	Nike PSA Play 120	Philips Rush SA101	RCA Lyra2 RD2211
DIRECT PRICE	\$299.99	\$299	\$199.99 (mfr. est.)	\$299.99
File Formats Supported*	MP3, WMA	MP3, WMA	MP3, RealAudio, Liquid Audio, EMMS	MP3, WMA, G2
Onboard Memory	128MB	64MB	None	None
Removable Storage Type	None	MultiMediaCard	SmartMedia	CompactFlash
Included Removable Storage	None	None	32MB	64MB
Battery Type	Two AAA	Two AA	Two AAA	Two AA
Rated Battery Life	10 hours	10 hours	12 hours	12 hours
PC Interface	USB	USB	Parallel	USB
FM Tuner	Yes	No	No	Yes
Built-In Microphone for Voice Recording	No	No	No	No
Onboard Equalizer	Yes	No	Yes	Yes**
Track Organizer	No	No	No	Yes
AC Adapter Included	Yes	No	Yes	No
Wired Remote Included	No	Yes	No	Yes
Docking Station	No	No	No	Yes
Dimensions (HWD, Inches)	3.7x2.2x0.8	3.3x2.8x1	2.8x2.8x0.7	4.5x2.5x0.8
Weight (Ounces)	4.3***	1.7	2.3	5.2***
LCD FEATURES				
Album Title/Artist	No/yes	No/no	Yes/yes	Yes/yes
Track Title/Track Number/Track Time	Yes/yes/yes	Yes/yes/yes	Yes/yes/yes	Yes/yes/yes
Equalizer/Playlists/Repeat Mode	Yes/yes/no	No/no/no	Yes/no/yes	Yes/yes/yes
Volume/Battery Life/Bit Rate	No/yes/no	Yes/no/no	Yes/yes/yes	Yes/yes/yes
Encoding Format/Remaining Storage Space	No/yes	No/no	No/yes	No/no
LCD Backlight	Yes	Yes	No	Yes
SOFTWARE INCLUDED				
	MusicMatch Jukebox Plus, Intel Audio Manager	RioPort Audio Manager	RealJukebox	MusicMatch Jukebox, RealJukebox
SYSTEM REQUIREMENTS				
	200MHz or faster Pentium-class CPU; 32MB RAM (64MB recommended); 40MB hard drive space; USB port; 4x or faster CD-ROM drive; Windows 98, Me, or 2000	32MB RAM; USB port; 35MB hard drive space. PC: 166MHz or faster Pentium-class CPU; Windows 98 or 2000. Mac: G3 or iMac; OS 8.51 or later	200MHz or faster Pentium-class CPU; 64MB RAM; 15MB hard drive space; Internet Explorer or Netscape 4.0; Windows 95 or 98	USB port; Internet Explorer 4.0 or later. PC: 233MHz or faster Pentium-class CPU; 64MB RAM; 50MB hard drive space; Windows 98 Second Edition or 2000. Mac: iMac, G3, or faster; 4MB hard drive space; OS 8.5 or later

* = All players have upgradable firmware. ** = Also has a programmable equalizer *** = Weight includes batteries

comfortably in your pocket or, using the included clip, on your belt.

The unit's feature set, however, is outstanding. The Pocket Concert supports MP3 and WMA formats out of the box, and it can be upgraded to support future audio formats. It also has a digital FM tuner with 10 presets and an equalizer with 17 bass and treble settings. Also, it ships with a pair of comfortable, great-sounding headphones that wrap around the back of your head. A fairly large backlit LCD scrolls clear text that displays the artist and song title. In addition, the Pocket Concert's USB interface made short work of large file transfers during testing.

Intel also offers a \$60 accessory kit that includes a dock for connecting the Pocket Concert Audio Player to your stereo (it doubles as a recharger and comes with two nickel metal-hydride batteries), a car adapter, and a neoprene carrying case. If you purchase the kit with the player, the bundle costs \$349.99.

NIKE PSA PLAY 120

EDITORS' RATING **6.8**

DESIGN8 PERFORMANCE6
EASE OF USE8 SOUND QUALITY7
FEATURES6 VALUE6

PROS: Easy to use; unique styling; designed to stand up to a workout; great armband holder; expandable with MultiMediaCards

CONS: Tiny LCD; no LCD on main unit; RioPort Audio Manager is clumsy

When you think of high-tech portable audio, Nike isn't the first company that springs to mind.

But the sports-gear manufacturer's design

knowledge paid off with the PSA Play 120. Designed for very active or style-conscious listeners, the \$299 unit is built to stand up to the most sweaty, intense workouts. Plus, the unit's guts come from Sonicblue's Rio division, guaranteeing you a high-quality digital-audio device.

The PSA Play 120 (the name stands for "Portable Sport Audio") is shaped like a large, flattened egg. A tiny wired remote houses the PSA Play 120's LCD. The primary controls are laid out well and covered by

a rubberized material that keeps sweat and gunk out of the device. The controls are duplicated on the wired remote, which clips to your sleeve or collar. The penny-size LCD shows only elapsed time, track number, and song title, but even short song titles have to scroll across.

The unit has only one adjustable function, a button that toggles seven predefined equalizer settings. The company calls this basic functionality "Nike Simplified Logic." Unfortunately, Nike uses a less than logical version of the RioPort Audio

MP3 PLAYERS

Life After Napster

As we go to press, 60 million music fans are preparing to bid farewell to Napster, the online service that put MP3 on the map. Although the Redwood City, Calif.-based company was expected to reopen sometime later this year as a subscription service, the scramble has already started to locate MP3 files on the Web. Here are a few places to begin your search.

MP3 SEARCH ENGINES

www.audiofind.com
www.emp3finder.com
www.mp3board.com
www.mp3find.com
www.mp3-search-portal.com
www.music.lycos.com

CONTENT

[alt.binaries.sounds.mp3.\[newsgroup name\]](http://alt.binaries.sounds.mp3.[newsgroup name]) Thousands of MP3 downloads in dozens of newsgroups (won't work with AOL dial-up connections)
www.audible.com Source of audio-book content
www.rioport.com Registration required to get free downloads
www.2000mp3.com Nice selection of free downloads

SOFTWARE PLAYERS AND RESOURCES

www.aimster.com Uses instant-messaging service to share music files.
www.gnutella.wego.com Download site for getting on this open-source file-sharing network
www.imesh.com Up-and-coming file-sharing community
www.microsoft.com/windows/windowsmedia Home page for Microsoft's Windows Media Player
www.mp3-converter.com 87 programs for converting MP3 and WAV files
www.mp3-world.net Software, news, programs, and links
www.musicmatch.com Popular MP3 jukebox and ripper
www.real.com Home of RealPlayer and RealJukebox programs
www.ultimateresourcesite.com/gnutella/main.htm Everything you ever wanted to know about Gnutella and more
www.winamp.com One of the first and best MP3 players —Steve Schwartz



Sonicblue Rio 800

\$279.95

MP3, WMA

64MB

Proprietary "backpacks"

None

Built-in rechargeable NiMH

10 hours

USB

No

Yes

Yes

Yes

Yes

No

3.5x2x1

2.4***

Yes/yes

Yes/yes/yes

Yes/yes/yes

Yes/yes/yes

Yes/yes

Yes

RioPort Audio Manager

32MB RAM; 35MB hard drive space; USB port. PC: 166MHz or faster Pentium-class CPU; Windows 98 or 2000. Mac: G3 or iMac; OS 8.6 or later



Nike PSA Play 120

Manager for downloading music and ripping CDs. Although it's a capable program, the convoluted, multiscreen interface is sure to frustrate newbies. USB downloads, meanwhile, are a little slow, but trouble-free overall.

In keeping with its active design, the PSA Play 120 comes with both an armband, which keeps the player from coming loose when you're active, and a belt clip. Also in the box is a set of collapsible headphones that fit partially into the ear canal, which helps keep them in place during vigorous activities. They don't show off what the player can do; their sound lacks depth.

With the standard 64MB, you'll get about an hour of 128kbps MP3 tunes, or a bit more if you use the WMA format. An internal MultiMediaCard slot accommodates up to 64MB of additional memory. Still, this unit has few frills and only average audio quality. If want to listen to music in high-energy environments, the Nike PSA Play 120's design is just what you need. But for general use, you can find less expensive players with more features.

PHILIPS RUSH SA101

EDITORS' RATING **5.0**

DESIGN	6	PERFORMANCE	5
EASE OF USE	4	SOUND QUALITY	6
FEATURES	5	VALUE	4

PROS: Compact, stylish design; intuitive operation; removable storage upgradable to 64MB; hold switch to lock settings; bookmark feature
CONS: Slow parallel interface; weak software package; limited OS compatibility; no radio tuner; no backlight display; no playlist editing on device; poorly designed case

With reasonably good sound quality and a competitive \$199.99 price, the Philips Rush SA101 initially looks like a great deal. But its limited features, cumbersome case, and outdated interface and OS support take it out of the running for most buyers.

Compact and lightweight, the Rush features a 1-inch LCD that provides track, memory, mode, and bitrate information. All of the function buttons are clearly laid out around the LCD for fairly intuitive operation. The unit also comes with a case that seems to have been inspired by someone's rock-climbing equipment.

Nevertheless, Philips clearly paid more attention to the Rush's aesthetics than to its ease of use. The LCD is hard to read in low light, and the case isn't as clever as it looks. Not only does it do little to protect the LCD from scratches, but its miniature bungee-type cords obstruct the con-

MP3 PLAYERS



Philips Rush SA101

trols, and the belt loop isn't big enough for a typical belt width. In fact, we had to wrestle with the case every time we tried to get to the hidden pocket for storing extra SmartMedia cards.

You'll need those extra memory cards, too, because the Rush has no internal memory and ships with only a single 32MB card. That's enough for about 30 minutes of music at 96kbps, which is the highest compression level available from the included RealJukebox software. If you want something closer to CD quality, you'll have to pay for an upgrade.

Transferring files to the player is relatively slow, due to its outdated parallel-port connection. The Rush didn't exactly live up to its name, taking almost 2 minutes to transfer just 11.4MB of music. Moreover, it doesn't support Windows 2000 or Me, so owners of newer PCs will have to look elsewhere.



RCA Lyra2 RD2211

If you're on a tight budget or use an older PC, the Philips Rush SA101 could be right for you, but it probably wouldn't make the short list of most digital-music fans.

RCA LYRA2 RD2211

EDITORS' RATING **7.2**

DESIGN	6	PERFORMANCE	8
EASE OF USE	7	SOUND QUALITY	7
FEATURES	8	VALUE	7

PROS: Built-in FM tuner; car cassette and power adapters; full-fledged graphic equalizer; remote control
CONS: A bit taller and heavier than the average MP3 player

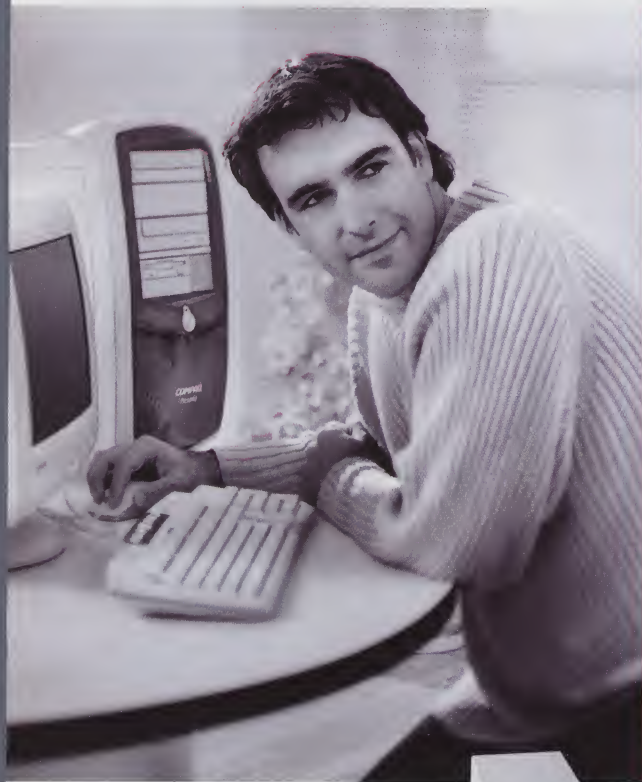
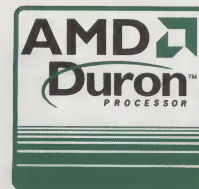
Thomsen Multimedia packs a lot of extras into the RCA Lyra2 RD2211 digital-audio player, including a car cassette adapter, a set of sleek, full-size headphones, and an FM tuner. These well-implemented features should easily justify its \$299.99 price for users looking for a more robust digital-audio package.

The Lyra2 measures about a half-inch taller than most players, and with two AA batteries and flash media installed, it weighs 5.2 ounces—about 1.5 ounces heavier than most players. The unit's controls are easy to understand and use, and you can create mini-playlists straight from the player. The large LCD offers plenty of room for listing song titles and artists, although it can be hard to read without using the backlight. The headphones also plug into a handy remote unit that lets you control volume and playback.

The unit supports MP3, WMA, and RealAudio G2 formats, storing music on a 64MB CompactFlash memory card. Unlike most players, which connect directly to your PC, the Lyra2 comes with a separate USB flash-memory reader. Unless you own multiple CompactFlash cards, there's little advantage to this setup. Transfer times were adequate, but other players with USB connections performed as well or better on our tests. Still, the reader could be handy for downloading data from a digital camera.

Installation went smoothly, especially because the Lyra2 comes with detailed printed documentation. The installation CD lets you choose either MusicMatch Jukebox or RealJukebox software; both versions need to be upgraded (at additional cost) for improved MP3-ripping speeds and CD-RW support.

Despite these few minor annoyances, it's the extras that really set this player apart. Besides its integrated FM tuner and cassette car adapter, it also comes with a cigarette-lighter power adapter so you can listen to tunes in your car without



COMPOSED BY YOU.

Want a PC built just for you? We can arrange that. Whether you want yours to be a personal DVD movie theater. A sound studio with concert quality speakers. Or a powerhouse for your ideas.

Your Compaq Presario 5000Z Internet PC: Just the first of many brilliant compositions. Welcome to a new kind of technology.

Inspiration technology, available direct from Compaq.

COMPAQ
Inspiration Technology



PRESARIO 5000Z-800

\$1149⁺

As low as \$32 per month*

AMD Duron™ Processor 800 MHz
128 MB SyncDRAM
20.0 GB UltraDMA Hard Drive¹
16X DVD-ROM Drive²
8X CD-RW Drive³
56K ITU V.90 Modem⁴
JBL Platinum Speakers with Digital Audio Port
16 MB nVidia TNT2 M64 Pro Graphics
Compaq CV535 15" Monitor (13.8" VIA)

Personalize by choosing:

Compaq CV735 17" Monitor (16.0" VIA): Add \$70
Compaq LJ1200 Inkjet Printer: Add \$129

SPOTLIGHT

PICK YOUR FAVORITE COLOR

Change the color of your PC with a MyStyle Accent Kit. Choose from Sapphire Blue, Amethyst Purple, Ruby Red, Emerald Green, or Amber Orange. FREE* with purchase of any Presario desktop.



>> Buy direct from Compaq

1-888-570-6417

toll - free

compaq.com/athome

Compaq PCs use genuine Microsoft® Windows®
www.microsoft.com/piracy/howtotell

*All prices shown are Compaq Direct selling prices and do not include monthly Compaq.NET service fees, applicable sales tax and shipping, are valid in the U.S. only, and are subject to change or cancellation without notice. Illustrations may not accurately represent exact configuration priced. Retail price may vary. Compaq is not liable for editorial, pictorial, or typographical errors in this advertisement. *Financing on approved credit by arrangement with Compaq Financial Services through MBNA America Bank, N.A. Payment based on a 48-month term at 14.99% APR. Your APR may be higher. There is no fee on Compaq purchases billed directly to your account. However, there is an access check fee of 3% of the U.S. dollar amount of each advance check (\$5 min./\$30 max.). *Compaq MyStyle Accent Kit introductory mail-in offer (plus shipping & handling \$7.95) valid only with purchase of the following Compaq Presario PCs: 1400T Series, 5C11XX Series, 5B11XX Series, 7AP1XX Series, 7EL1XX Series, and 'Built for you' 5000T and 5000Z Series models (one color per kit). Offer valid for purchase made between 06/04/00 and 07/01/01 or while supplies last. Please allow 6 to 8 weeks for delivery. To qualify, you must be a legal U.S. resident 18 years of age or older. Void where prohibited or restricted by law. Compaq reserves the right to modify or withdraw this promotion at any time. See coupon, retailer, or www.compaq.com/athome/color. Questions? Call 713-300-3053. ¹For hard drives, GB=billion bytes. ²16X DVD-ROM drives read a minimum of 5545 Kbps and a maximum of 21640 Kbps. ³8X CD-RW drive data transfer rates may vary as follows: for recording to CD-R media, the data transfer rate may vary from 150 to 600 Kbps; for writing to CD-RW media, the data transfer rate may vary from 150 to 300 Kbps; for reading to CD media, the data transfer rate may vary from 1500 to 3600 Kbps. ⁴ITU V.90 modems are designed only to allow faster downloads from K56flex- or V.90-compliant digital sources. Maximum achievable download transmission rates are currently unknown, may not reach 56 Kbps, and will vary with line conditions. Microsoft® Windows® Millennium Edition installed. Compaq, the Compaq Logo, and Presario are registered in the U.S. Patent and Trademark Office. Inspiration Technology is a trademark of Compaq Information Technologies Group, L.P. in the U.S. and other countries. AMD, the AMD logo, AMD Duron, and combinations thereof are trademarks of Advanced Micro Devices, Inc. Microsoft, MS, and Windows are registered trademarks of Microsoft Corporation. Products and company names mentioned herein may be trademarks and/or registered trademarks of other companies. ©2001 Compaq Computer Corporation. 8324/05/01

draining batteries, as well as five equalizer presets and a full-fledged graphic equalizer for customizing the sound to your personal taste.

Although it's a bit heavy for racquetball enthusiasts, the RCA Lyra2 RD2211 is a fine fit for the more sedentary digital-music aficionado.

SONICBLUE RIO 800

EDITORS' RATING **7.5**

DESIGN	7	PERFORMANCE	8
EASE OF USE	8	SOUND QUALITY	8
FEATURES	8	VALUE	6

PROS: Excellent audio quality; informative LCD; voice-recording feature; variety of expansion options

CONS: Lacks bookmark feature; proprietary expansion devices; clumsy RioPort Audio Manager software



Sonicblue has been building portable MP3 players since the category's inception, when (under the Diamond brand) it released the first MP3 player, the Rio 300. The new Rio 800 bears the fruit of this experience, improving in almost every respect over its predecessors.



Sonicblue Rio 800

The controls are effectively laid out, and a wired remote lets you change tracks or volume even when the player is in your pocket. The backlit LCD screen has one of the best interfaces we've seen on a digital audio player,

MP3 PLAYERS with pop-up tabs that make changing settings a snap. Plus, the display is packed with information, simultaneously listing the song title, bit rate, track number, song length, time elapsed, and volume.

Audio quality is quite good using the included lightweight collapsible headphones. You can customize the sound using several predefined equalizer settings or the individual bass and treble controls. At present, the player supports MP3 and WMA formats, but a future firmware upgrade will let it play Audible.com's audio-book files. The Rio 800 also has a new voice-record feature. The tiny built-in microphone does a good job of picking up voices in a room, and recordings are fairly small; a minute of audio only takes up about 230K.

In addition to its 64MB of onboard memory, the player, like the Rio 600, can be expanded with proprietary clip-on "back-packs." Currently, 32MB and 64MB packs are available, and a 340MB IBM Microdrive version is in the works. Unfortunately, these back-packs are somewhat expensive, even compared with CompactFlash and SmartMedia cards.

The Rio 800's rechargeable battery isn't designed to be removed, so if you run out of juice, you'll be tuneless until you can find a power socket. Another weak spot is the player's lack of a bookmark feature, which will frustrate fans of audio books, old radio shows, and other lengthy MP3 files. We also found the RioPort Audio Manager software to be awkward to use—a stark contrast to the Rio 800's excellent interface.

These gripes aside, the Sonicblue Rio 800's great design, excellent expandability, and top-notch audio make it one of the most attractive players we've seen. At \$279.95, it's a good deal as well.

THE EARS HAVE IT

Clearly, anyone shopping for an MP3 player these days has many details to consider. But the bottom line is that selecting an MP3 player is a lot like choosing what type of music to play on it: It all comes down to your own tastes.

For most users, the \$299.99 Intel Pocket Concert Audio Player is a safe call. It ships with the most memory of any player in its class (128MB), plus a sharp, backlit LCD and lots of other attractive features.

Sonicblue's Rio 800 is another surefire hit, especially with students and business travelers, who can make good use of its voice-recording capabilities. It ships with 64MB of expandable memory, a top-notch LCD, and a rechargeable battery, and it costs about \$20 less than the Pocket Concert.

The joggers in our midst will probably run straight for the rugged Nike PSA Play 120, while that lucky man or woman who has everything will want to grab the RCA Lyra2 RD2211, which includes a car cassette-player adapter and even a CompactFlash card reader that can be used for downloading pictures from digital cameras.

Finally, although the Philips Rush

Music to Your Ears

4 ESSENTIAL ZDNET DOWNLOADS

- FileNavigator**
Share all file types.
- Media Jukebox**
Play, rip, encode, and manage music.
- MP3 Fiend**
Find and download MP3 music files.
- Winamp Full**
Play MP3s, WMAs, CDs, and other audio types.

DOWNLOAD THEM NOW FROM computershopper.zdnet.com/downloads

SA101 uses an outdated parallel-port connection, ships with only 32MB of memory, and lacks a backlit display, its low \$199.99 price makes it attractive to owners of older PCs and buyers on a tight budget. ▼

< PRODUCT SUMMARY >

EDITORS' RATING (Rated 1 to 10)	8.2	6.8	5.0	7.2	7.5
PRODUCT	Intel Pocket Concert Audio Player	Nike PSA Play 120	Philips Rush SA101	RCA Lyra2 RD2211	Sonicblue Rio 800
COMPANY	Intel Santa Clara, CA 800-538-3373, 408-765-8080 www.intel.com/home/audio	Nike Beaverton, OR 800-806-6453, 503-671-6453 www.nike.com	Philips Electronics New York, NY 800-326-6586, 212-536-0500 www.rush.philips.com	Thomson Multimedia Indianapolis, IN 317-587-3000 www.lyrazone.com	Sonicblue Santa Clara, CA 800-468-5846, 408-588-8000 www.riohome.com
DIRECT PRICE	\$299.99	\$299	\$199.99 (mfr. est.)	\$299.99	\$279.95
	34339	34340	34341	34342	34343

00000 = **Price It!** For real-time pricing, go to priceit.zdnet.com and enter number.

tiny Computers

direct to you!

SAVE \$400
after rebates

INSTANT POWER MAXIMUM SAVINGS



REBATE SPECIALS
\$200 Tiny Rebate on Selected Systems & \$200 MSN Internet Rebate on Selected Systems when you take out a 2 Year Agreement

Tiny Athlon™ 1.2GHz^{TS13}

- 1.2GHz AMD Athlon™ Processor
- 256MB 133MHz SD RAM
- 40GB Ultra DMA 7200RPM Hard Disk Drive
- 17" Color Monitor (15.8" Display)
- 32MB nVidia™ GeForce II MX 4X AGP Graphics Card
- Creative Labs Soundblaster 128 Sound
- Altec Lansing Subwoofer & 2 Satellite Speakers
- 12X DVD ROM Drive compatible with CD
- 8x4x32 CD Rewriteable/Recordable Drive Writer Software
- 56K Modem with V.90 Standard Compatibility
- 10/100 Realtek Network Card
- Includes Microsoft® Windows® Me™ - the home version of the world's favorite software
- Includes Microsoft® Works Suite 2001
- GameOn! Family Game Pack
- Tiny Joypad

~~was \$1749~~
NOW \$1349
after rebates

3 Platinum
year on-site
service upgrade
only \$249

Performance Notebook 1.0GHz^{TNS}

- Intel® Pentium® III Processor 1.0GHz
- 256MB Fast SD RAM
- 20GB Ultra DMA Hard Disk Drive
- 14.1" TFT Color Display
- Integrated AGP Graphics
- DVD ROM Drive
- Internal 56K Modem
- PCMCIA 10/100 Network Card
- CardBus Slots (2 Type II or Type III PCMCIA slots)
- USB Ports
- S-Video TV Out Port
- Lithium Ion Battery
- Includes Microsoft® Windows® Me™ - the home version of the world's favorite software
- Includes Microsoft® Works Suite 2001
- Free Silver Carry Case
- GameOn! Family Game Pack
- Logitech QuickCam



~~was \$2199~~
NOW \$1799
after rebates

3 Year
Notebook
Diamond
Warranty
\$199

NOTHING TO PAY FOR
6
MONTHS

VISIT US AT www.tinydirect.com

CALL TOLL-FREE NOW 1-877-900-9021
TO ORDER

Upon credit approval, we can offer a low interest rate of 14.99% APR, and no payments for 6 months. Interest will be assessed on the amount financed from the original date of purchase. Please contact your nearest showroom for details. *No interest, no payments for 90 days available. Ask for details. We honor your Visa, MasterCard, Discover and American Express cards as well as your personal check. Prices and specifications valid only in the US and subject to change without notice. Please check availability before ordering. The systems and software displayed are for illustrative purposes only and may not be exactly as shown. For a complete copy of Terms and Conditions, please write Tiny Computers Inc., 3914 Tacoma Mall Blvd, Suite 111, Tacoma WA 98424. On-site service provided pursuant to a service contract. May not be available in certain remote areas. Technician dispatched if necessary pursuant to phone-based troubleshooting. If non-Tiny additions to your system are found to be the cause of the reported problem, a service charge may be applied. Modem speeds may vary depending on line conditions. Analog phone lines and compatible server equipment required. Some third party manufacturer warranties may vary from product to product, consult your documentation for specific warranty information. All trademarks are the property of respective companies. Certain terms and conditions apply to goods. Finance subject to status. Intel, Pentium and Intel Inside logo are registered trademarks; Celeron is a trademark of the Intel Corporation. Microsoft, MS, Windows and IntelliMouse are registered trademarks of Microsoft Corporation. Prices exclude delivery and tax. All rights reserved. EEO/EE.

*Details of the MSN Mail-In Rebate Program for Tiny Computers, Inc. The MSN Mail-In Rebate program requires: (1) the purchase of eligible computers with a total purchase price in excess of the selected rebate amount from Tiny Computers Inc. between March 1, 2001 and June 30, 2001; (2) selection of a 24 month subscription to MSN Internet Access (\$300 rebate) or 3 month subscription (\$75 rebate) at the rate of \$21.95 per month plus applicable taxes; (3) sign up for a new unlimited MSN Internet Access account between March 1, 2001 and June 30, 2001; (4) receipt by MSN of the original completed mail-in rebate form and copy of the purchase receipt within 90 days of your purchase; (5) a valid major credit card; and (6) acceptance of the MSN Internet Access membership agreement. If you do not continue as a member for the required period of time, you will be required to pay MSN a termination fee equal to 70% of the monthly service fee multiplied by the number of months remaining in your membership period. This MSN Mail-In Rebate program is available only to residents of the 50 United States, the District of Columbia and Puerto Rico. You must be 18 years old or older to qualify for the MSN Mail-In Rebate program. MSN reserves the right to modify or withdraw this promotion at any time. MSN Internet Access is available only for personal non-commercial use. Local phone service long distance for charges may apply. It is the customer's responsibility to check with a local phone company to determine if access numbers are local. Local market network activity and capacity may affect access availability. Microsoft, MSN and the MSN logo are either registered trademarks or trademarks of Microsoft Corporation in the United States or other countries. See store for details.

Tell Us What You Think

Dear Reader:

At Computer Shopper, we always strive to bring you timely and relevant information that best suits your needs. As we look for new ways to improve our magazine, there's no one better to ask for input than you, our reader.

So, I'm inviting you to take a few minutes to complete our online survey. It will help us to better understand which articles caught your attention and why. Please visit our Web site at www.computershopper.com/survey to complete the survey—it should take no more than five minutes.

Thank you for your ongoing support of Computer Shopper magazine.

Sincerely,



Janice J. Chen

Editor in Chief

Tell us what you think about the May issue at:
www.computershopper.com/survey



**COMPUTER
SHOPPER**

GATE	FLIGHT	DEPARTS	ARRIVES
24	AA 100	8:45	9:15
25	DL 120	9:00	9:30
26	UA 150	9:15	9:45

FLIGHT 223 DELAYED FLIGHT 223 DELAYED

600 MHz
Laptop

Internal
DVD Drive

And the Movies
to make time fly.



Turn On the Fun™

SHOPPER'S GUIDE
TO CD-RW DRIVES





Rewritable, Right Now

A winning combination of affordability, capability, and capacity makes CD-RW a must-have.

BY M. DAVID STONE

It's hard to believe we all once deliberated over whether or not to spring for a CD-ROM drive. Today it's a no-brainer. An optical drive—or, more precisely, some variation on a CD or DVD drive—is as necessary as a monitor. At the very least, you need one to install programs. The deliberation now takes place around which optical breed to choose: CD-ROM, CD-RW, DVD-ROM, or DVD-RAM.

The decision is getting easier of late as CD-RW drives emerge as the preeminent

choice for many people, whether you're buying a new system, or replacing or adding to the drives in the one you have. In fact, worldwide shipments of CD-RW drives increased by over 100 percent in 1999 and again by 100 percent in 2000, to a total of 35 million, according to Michelle Abraham, senior analyst with Cahners In-Stat Group. "In 2001, they are projected to increase over 50 percent and will continue to grow going forward," she states. A quick tour of the choices illustrates why.

DRIVES THAT READ, DRIVES THAT WRITE

CD-ROM drives have been around the longest and are still the default choice on many systems. They are certainly the least expensive choice, with prices starting at under \$40 for current-generation drives. However, CD-ROM drives are also the most limited of the options. Like all of these drives, they can read CD-ROM discs, which have a capacity of about 650MB. But they can't read DVD-ROM discs, and they don't let you write data to disc.

SHOPPER'S GUIDE TO CD-RW DRIVES

DVD-ROM drives can read DVD discs as well as CD formats, but as with CD-ROM drives, you cannot write data to a disc with them. Unless you want to watch movies on your PC or play a game that comes on DVD, you can still easily manage without a DVD-ROM drive. (See the sidebar "What About DVD-ROM?")

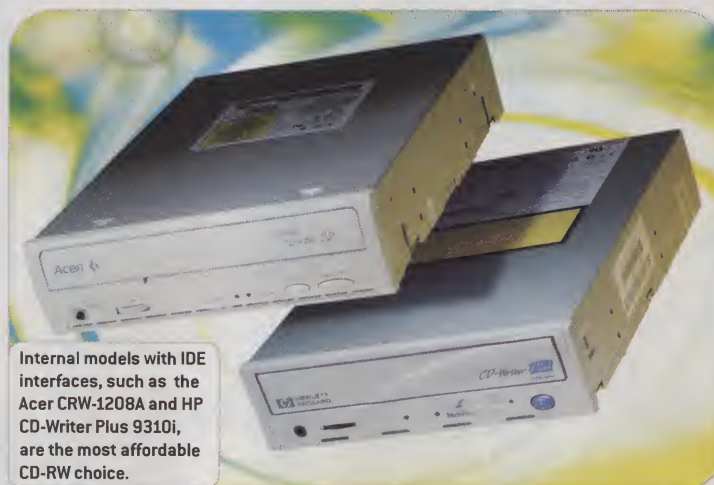
CD-R and CD-RW drives offer the same functionality as a CD-ROM drive, with the additional ability to write data to discs. CD-R drives can write only to CD-R discs—write-once discs that cannot be erased and rewritten. CD-RW drives write to either CD-R discs or CD-RW discs, which do let you erase the data and then write to the disc again. Being able to write to disc—whether CD-R or CD-RW—is increasingly important. It will let you create backups of your application-program discs and your audio CDs; it will let you create your own audio CDs; and it can be an invaluable tool for backing up data.

CD-R-only drives are no longer being produced or sold in any significant volume to the consumer market, and may in fact be disappearing altogether. Specialty applications for them do exist in niche professional settings where authoring is done, for instance, but for the vast majority of users, CD-RW is the way to go. CD-RW drive prices start at a bit over \$100 (even less for refurbished drives), although most current-generation models sell for \$200 to \$250.

DVD-RAM drives are to DVD what CD-RW drives are to CD: They offer the same functionality as a DVD-ROM drive, plus the ability to write data to rewritable discs. First-generation DVD-RAM drives fit 2.6GB on each side of a disc. The current-generation drives, which start at a little under \$500, fit 4.7GB on each side of a disc. But note that DVD-RAM drives can't write to CD-R or CD-RW discs, and CD drives can't read DVD-RAM discs.

All this leads to some straightforward

conclusions. If you agree that you're better off with a drive that can write as well as read, you can't settle for a CD-ROM or DVD-ROM drive. DVD-RAM is also a possibility since it can both read and write data, but it's expensive, and it can't create a disc that a CD-ROM drive can read. Thus, CD-RW gets the blue ribbon for the best balance of bang per buck and features that most people need.



FAREWELL, FLOPPIES

There's another winning argument for a CD-RW on every desktop: The technology is becoming the de facto replacement for the floppy drive.

Anyone who uses a computer needs some way to move files from one PC to another, which means there needs to be a standard removable-media drive that you'll find on virtually any computer. For years, that drive has been the 1.44MB floppy drive. Alas, it's also been obvious for years that 1.44MB isn't enough capacity. The only thing that's kept the floppy alive is that the industry as a whole

hasn't been able to agree upon a replacement.

One strong contender has been Iomega's Zip drive. Zip drives are available in both 100MB capacity (starting at about \$50) and 250MB capacity (starting at about \$70), with the larger-capacity drives also able to read and write 100MB disks. Typical prices for a single disk are just under \$10 for 100MB media and under \$15 for 250MB disks, but you can pay \$2 or \$3 less per disk by buying them in packs.

Iomega says it has shipped tens of millions of Zip drives, but you still can't count on find-

ing one in virtually any system. That's largely because viable alternatives have been competing for the mantle of floppy-drive replacement, including the LS-120, or SuperDisk, drive.

The LS-120 can read from and write to floppy disks as well as its own 120MB disks, so

you don't need to have a separate floppy disk drive. However, it came late to the game and simply isn't as ubiquitous as the Zip. It's also comparatively expensive, with drive prices starting at about \$100. Disk prices are comparable to those for 100MB Zip disks.

The other major contender is the CD-RW drive—with no less a player than Hewlett-Packard, one of the most visible CD-RW manufacturers, championing the idea. Hefty backing aside, the obvious advantage to CD-RW is its much higher capacity—650MB per disc. (You can also find CD-R and CD-RW discs that hold 700MB.) Another edge is

Optical-Drive Snapshot: Compare the Players

Information provided is based on current-generation internal IDE models.

Drive Type	Typical Price	Typical CD-ROM Read Speeds	Typical DVD Read Speeds	Typical CD-R Write Speeds	Typical CD-RW Rewrite Speeds	Can Write To	MultiRead Drives Can Read
CD-ROM	\$40 to \$110	48x to 72x	NA	NA	NA	NA	CD-ROM, CD-R, CD-RW, CD-DA
CD-RW	\$170 to \$310	24x to 40x	NA	8x to 16x	4x to 10x	CD-R, CD-RW	
DVD-ROM	\$85 to \$200	32x to 48x	6x to 16x	NA	NA	NA	CD-ROM, CD-R, CD-RW, CD-DA, DVD-ROM.
Combo CD-RW/DVD-ROM	\$200 to \$280	24x to 32x	4x to 8x	4x to 12x	4x to 10x	CD-R, CD-RW	MultiRead2 can also read DVD-RAM, DVD-Video, and DVD-Audio.
Comments	Older, slower models will often be available for less.	12x or better is acceptable.	A 1x DVD speed is not the same as a 1x CD speed.	Try for 10x or better. Watch out for CD-RW drives with 2x and 4x.	Choose an 8x or better unless you don't plan to use CD-RW discs often.		Being able to read a type of disc does not always mean a drive can read all the formats that may be written to that type of disc.

NA = Not applicable

the much lower price per disc. A single CD-R disc, complete with jewel case, is about \$2; packs of 50 or more (without jewel cases) are generally under \$1 per disc—sometimes well under. Individual CD-RW discs typically cost about \$4 to \$5; packs of 50 or more are roughly \$2 to \$3 per disc.

If higher capacity and lower price aren't enough to sway you, keep in mind that newer CD-ROM and DVD-ROM drives, in general, can read CD-R and CD-RW discs. That means you can write to a disc with a CD-RW drive and be reasonably sure that other computers will be able to read from it.

WHAT YOU NEED TO KNOW ABOUT CD-RW

The most prominent specification you'll run across when you're shopping for a CD-RW drive is speed, or, more precisely, speeds. You're probably already familiar with speed ratings from CD-ROM drives. A 1x rating, which refers to the transfer rate for the drive, represents the speed of the first generation of CD-ROM drives. Current CD-ROM drives typically hover around 50x—or, in principle, 50 times the transfer rate of a 1x drive. The reality is a bit more complicated; these numbers don't mean quite what they seem to, but a higher number indicates a faster drive, which is the key issue.

Unlike CD-ROM drives, CD-RW drives have three speeds. If it's not clear which is which, it's safe to assume that the fastest is for reading data, the second fastest (usually called the write speed) is for writing to CD-R discs, and the slowest (usually called the rewrite speed) is for writing to CD-RW discs. Here again, faster is better, but note that CD-RW drives have lower read speeds

SHOPPER'S GUIDE TO CD-RW DRIVES

than CD-ROM drives.

At this writing, 24x and 32x are the most common read speeds for CD-RW drives, with some offering 40x. Anything rated at 12x or higher is adequate for most typical tasks, though. Lower-speed drives—which are essentially extinct—will serve for installing programs, but you may see annoying interruptions when playing some games.



The most common write speeds are 10x and 12x, and you can find drives capable of up to 16x. The minimum write speed you should accept is 10x, which will let you copy about 400MB of data to a disc, or copy a typical music CD (with 40 to 45 minutes of audio on it), in about 5 minutes. Compare that to approximately 6 minutes with an 8x write

speed or about 12 minutes with a 4x. Write speeds higher than 10x give diminishing returns, though. A 12x speed will only shave the time down to about 4 minutes, and a 16x to about 3 minutes. As for rewrite speeds, the most common are 8x and 10x, but you'll still find plenty of drives that only rewrite at 4x. Look for 8x or better unless you'll rarely use CD-RW discs.

When you consider a drive, look at the software that comes bundled with it as well as the specifications. Ideally, you'll want utilities that make

it easy to copy entire audio CDs and data CDs, as well as those that let you pick particular files or tracks to write to the CD. The package should also support Universal Disc Format (UDF), which will let you

use the drive the same way you would use a hard drive or floppy drive from any program.

Another feature to insist on is MultiRead compliance, which guarantees that the drive can read all existing CD formats, including CD-ROM, CD-Digital Audio, CD-R, and CD-RW. In fact, any kind of CD or DVD drive you consider should have the

What About DVD-ROM?

Deciding between a CD-RW drive and a DVD-ROM drive can be tough. CD-RW drives write to disc, but they can't read DVD discs. DVD-ROM drives won't let you create discs, but they are designed to be the next-generation CD-ROM, and, of course, they read DVD discs.

DVD-ROMs don't just offer more capacity than CD-ROMs, they offer tremendously more—26 times as much. DVD-ROMs pack more data on a disc by putting the tracks closer together, putting the data bits closer together in the tracks, accommodating two recording layers per side, and allowing double-sided discs, although the drive can read only one side at a time. Maximum capacity is 4.7GB per side for a single-layer DVD-ROM, or 8.5GB per side for a dual-layer DVD-ROM. Double that, to 17GB, for a double-sided disc.



DVD-ROM drives are also quite affordable, with prices starting at about \$85, so if you can't decide between a CD-RW drive and a

DVD-ROM drive, maybe you shouldn't try. It won't stretch your budget much to get both, and, besides, if you want to copy a disc, having two drives is a lot more convenient than having one.

There's another option too—particularly if you already have, say, a CD-ROM drive in your system and are adding another drive. Some manufacturers, notably Ricoh and Toshiba, offer both CD-RW and DVD-ROM capability in one drive. Even better, prices for these combination drives are roughly \$200 to \$280 at this writing, which is competitive with current-generation CD-RW drives.

The bottom line: You can have both CD-RW and DVD-ROM capabilities, in one drive or two. And it won't cost much for the privilege of not having to decide between them.

MultiRead logo, for obvious reasons. (With DVD drives, look for the MultiRead2 spec.)

Two other critical decisions you have to make are whether to get an internal or external drive, and what kind of interface you want for it. If you don't have any open drive bays, absolutely don't want to open your system to install the drive, or will move the drive

SHOPPER'S GUIDE TO CD-RW DRIVES

for Your Notebook.") The only significant difference is that you don't have to worry about the drive's portability.

For internal drives, you have two connectivity choices: IDE and SCSI. If you already

have a SCSI adapter card in your system, consider a SCSI drive. However, in most cases, IDE is the preferred choice. There's no longer a significant performance difference between the two connection types. IDE drives are usually less expensive than

equivalent SCSI drives, and any PC supports four IDE drives without requiring that you buy a separate adapter card. If you already have four IDE drives, however, you'll have to choose SCSI instead (and buy a SCSI adapter card, if you don't have one).

Before buying, be sure to check service,

support, and return policies. Most CD-RW drives come with a one-year warranty, but you'll want to confirm that. Be sure you can get technical support if you need it—partic-







If you need an external CD-RW unit for your desktop, consider one with an IEEE 1394 (FireWire) interface, such as the Sony Spressa i.Link, or with a USB connection, such as the Micro Solutions Backpack.


between systems, you need an external model. Otherwise, stick with an internal drive, which will cost less for an otherwise identical unit and won't take up desk space.

Considerations for connecting external drives on the desktop are essentially the same as for notebooks. (See the sidebar "CD-RW

Crackerjack CD Apps

4 ESSENTIAL ZDNET DOWNLOADS

-  **CDEdit**
Easily create your own CD covers.
-  **CD-Quick Cache for Windows 95/98**
Improve CD, CD-R, CD-RW, and DVD-ROM speed.
-  **CD-R Diagnostic**
Analyze and test CD-Rs.
-  **CD Recording Studio**
Record your own data or audio CDs.

 **DOWNLOAD THEM NOW FROM**
computershopper.zdnet.com/downloads

ularly if you've never installed or used a CD-R or CD-RW drive before. Find out who provides it (the vendor or the drive manufacturer), whether it's free, and if there's a toll-free phone number. As always, ask whether you can return the item simply because you don't like it, even if it works. If so, ask if there would be a restocking fee under these circumstances.

With these tips and guidelines in mind, you're ready to catch the CD-RW wave. High-capacity backup and file sharing, disc-writing capability, and broad read capabilities are waiting for you. Go get that drive! ▼

CD-RW for Your Notebook

CD-RW drives are becoming increasingly common in notebooks as optional accessories, and some vendors are even offering them in standard configurations. The newest models include both CD-RW and DVD-ROM capabilities in one slim drive. If your notebook doesn't have a CD-RW option, though, you can always add an external drive.

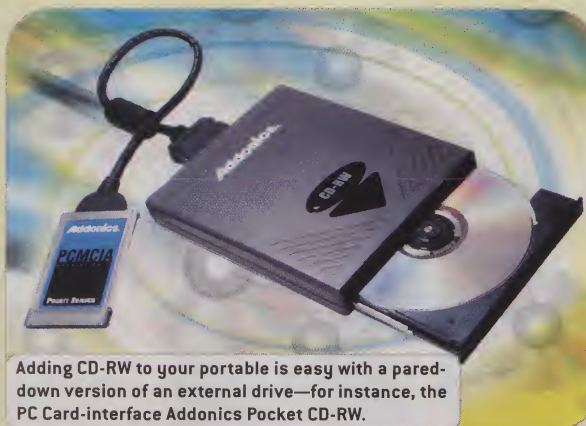
Portable external drives are smaller and lighter than those aimed at the desktop, and they usually offer slower speeds. The 2.75-pound Iomega Predator, for example, is an 8x/4x/32x drive, but depending on the connection you use, it may deliver only 4x/4x/6x. Similarly, the 1.5-pound Archos Mini CDRW offers 8x/4x/24x speeds, and the 14-ounce Addonics Pocket

CD-RW offers 8x/4x/24x. Portable drives can also be pricey; the Addonics Pocket CD-RW costs over \$400 direct at this writing.

You'll need to consider how to connect the

drive. Your choices for external drives include SCSI, IEEE 1394 (FireWire), and USB. (At least two parallel-port drives are available as well, both from Micro Solutions, but, because transfer rates are so slow, parallel-interface drives are best avoided if you have any other choice for the connection.) With notebooks, PC Card connections are another alternative.

In most cases, your choice of connection will depend on what's already on your laptop. Any current portable should include a USB connector and one or more PC Card slots, usually with 32-bit CardBus support. Be aware, however, that the connection determines the top speed at which your drive will be able to operate. With SCSI or IEEE 1394 built into the portable, any drive should operate at full speed. CardBus PC Card slots allow the next fastest performance, followed by 16-bit PC Card slots, then USB 1.x. Bear in mind that if you add a SCSI or IEEE 1394 connector to your notebook with a PC Card, your top speed will still be limited by the PC Card interface.



Adding CD-RW to your portable is easy with a pared-down version of an external drive—for instance, the PC Card-interface Addonics Pocket CD-RW.



**ADAMANT
COMPUTERS**

WWW.ADAMANT.COM

800-284-2257



AFFORDABLE POWER FOR EVERY NEED

AMD ATHLON XTREME GAMER



FOR ONLY.....\$1779

- 1.0GHz, 266MHz Bus AMD Athlon™
- 128MB 266MHz DDR Memory
- 60.5GB 7200 rpm Ultra ATA-100 HDD
- 12x Max Variable Speed DVD Drive
- 12x10x32 CD-RW Drive
- 1.44MB 3.5" Floppy Drive
- 64MB DDR GeForce2 4xAGP Graphics Card
- Creative Labs 56K V.90 Fax/Modem
- SB Live Value 5.1 Digital Sound Card
- Enlight Tower or Desktop Case
- 19" 1280x1024 .26 SVGA Monitor
- Cambridge Digital Powercube 3-Speakers Set with Subwoofer
- PS/2 Keyboard, PS/2 Mouse
- Microsoft Windows ME or 98SE
- Corel Word Perfect Office-2000
- McAfee VirusScan
- CD Bundle, 72 Title PC Starter Kit
- 3 Years Parts, Lifetime Labor Warranty

AMD Athlon™ 1.0GHz \$1799
AMD Athlon™ 1.2GHz \$1869
AMD Athlon™ 1.3GHz \$1919

Logitech Optical Mouse add \$29
Altec Lansing ACS56 Speakers .. add \$59
75GB Hard Drive add \$149
256MB DDR RAM add \$139
21" .26 Monitor add \$369

AMD VALUE MULTIMEDIA



FOR ONLY.....\$1489

- 1.0GHz AMD Athlon™ Processor
- 512MB PC133 SDRAM Memory
- 45.5GB 7200 rpm Ultra ATA-100 HDD
- 12x Max Variable Speed DVD Drive
- 12x10x32 CD-RW Drive
- 1.44MB 3.5" Floppy Drive
- 32MB DDR ATI Radeon 4x AGP Graphics Card
- Creative Labs 56K V.90 Fax/Modem
- SB Live Value 5.1 Digital Sound Card
- Enlight Tower or Desktop Case
- 19" 1280x1024 .26 SVGA Monitor
- Cambridge Digital Powercube 3-Speakers Set with Subwoofer
- PS/2 Keyboard, PS/2 Mouse
- Microsoft Windows ME or 98SE
- Corel Word Perfect Office-2000
- McAfee VirusScan
- CD Bundle, 72 Title PC Starter Kit
- 3 Years Parts, Lifetime Labor Warranty

AMD Athlon™ 1.0GHz \$1579
AMD Athlon™ 1.2GHz \$1639
AMD Athlon™ 1.3GHz \$1689

250MB Zip Drive add \$89
Kodak Digital Camera add \$119
16x10x40 CD-RW Drive add \$119
Nomad-II MP3 Player add \$169
64MB GeForce Graphics Card add \$199



SMART BUY

FOR ONLY.....\$889

- 800MHz AMD Duron™ Processor
- 256MB PC133 SDRAM Memory
- 20.5GB 7200 rpm Ultra ATA-100 HDD
- 8x4x32 CD-RW Drive
- 1.44MB 3.5" FDD Drive
- S3 Savage 4xAGP 3D Video Graphics
- Creative 56K V.90 Fax/Modem
- Sound Pro AC'97 Sound Card
- Enlight Tower or Desktop Case
- 17" 1280x1024 .27 SVGA Monitor
- Creative SBS15 Stereo Speakers
- PS/2 Keyboard, PS/2 Mouse
- Microsoft Windows ME or 98SE
- Corel Word Perfect Office-2000
- McAfee VirusScan
- CD Bundle, 72 Title PC Starter Kit
- 3 Years Parts, Lifetime Labor Warranty

AMD Duron™ 800MHz \$929
AMD Athlon™ 1.0GHz \$1029
AMD Athlon™ 1.2GHz \$1089
AMD Athlon™ 1.3GHz \$1139

45.5GB Hard Drive add \$59
USB Scanner add \$69
16x DVD ROM add \$79
512MB RAM add \$99
Epson-777 USB Color Printer add \$99

BUILD YOUR OWN SYSTEM. DESIGN YOUR OWN PRICE

All-in-One BAREBONE

Enlight 7bay ATX Case, 300W UL Power Supply
266MHz Bus Speed Motherboard, 1- 4x AGP Pro
Slot, 4-PCI Slots, On board IDE UDMA/100 and I/O
Controller, On board S3 Savage 3D Video Accelerator
On board AC'97 PCI Sound Card, 1.44MB FDD PS/2
Enhanced Keyboard, PS/2 Mouse

AMD Duron™ 800MHz \$259
AMD Athlon™ 1.0GHz \$359
AMD Athlon™ 1.2GHz \$429
AMD Athlon™ 1.3GHz \$479

128MB PC133 SDRAM Memory add \$49

CLASSIC BAREBONE

Enlight 7bay ATX Case, 300W UL Power Supply
266MHz Bus Speed Motherboard
On board IDE UDMA/100 and I/O Controller
3-168 Pin SDRAM Memory Slots,
1- 4x AGP Pro Slot, 5-PCI Slots, 1.44MB FDD
PS/2 Enhanced Keyboard, PS/2 Mouse

AMD Duron™ 800MHz \$259
AMD Athlon™ 1.0GHz \$359
AMD Athlon™ 1.2GHz \$442
AMD Athlon™ 1.3GHz \$479

128MB PC133 SDRAM Memory add \$49

RAID BAREBONE

Enlight 7bay ATX Case, 300W UL Power Supply
Iwill KA266-R, 266MHz Bus Speed Motherboard
On board RAID, IDE UDMA/100 and I/O Controller
3-184 Pin DDR Memory Slots
1- 4x AGP Slot, 5-PCI, Slots, 1.44MB Floppy Drive
PS/2 Enhanced Keyboard, PS/2 Mouse

AMD Duron™ 800MHz \$349
AMD Athlon™ 1.0GHz \$449
AMD Athlon™ 1.2GHz \$529
AMD Athlon™ 1.3GHz \$569

128MB DDR Memory add \$69

TOO SLOW?? SPEED UP WITH AMD CHIPS & BOARDS

every motherboard kit comes with FREE AMD approved cooling fan

ASUS A7V133 \$149



VIA KT133 Chipset, 266MHz Bus Speed,
5-PCI, 1-4x AGP Pro Slot, 3-168 pin
Memory Slots, AMI PnP BIOS, 4-USB
Ports. On board IDE UDMA/100 and I/O
Controller, ATX Form Factor

AMD Duron™ 800MHz \$235
AMD Athlon™ 1.0GHz \$349
AMD Athlon™ 1.2GHz \$389
AMD Athlon™ 1.3GHz \$449

GIGABYTE 7DX \$175



AMD 761 chipset, 266MHz Bus Speed,
5-PCI, 1-AMR, 1-4x AGP Slots,
3-168 pin Memory slots, Award PnP
BIOS, 2-USB Ports, Build-in Sound
Blaster Sound Card. On board IDE UDMA/
100 and I/O Controller, ATX Form Factor

AMD Duron™ 800MHz \$259
AMD Athlon™ 1.0GHz \$359
AMD Athlon™ 1.2GHz \$419
AMD Athlon™ 1.3GHz \$465

ABIT KT7A-RAID \$159



VIAKT133A Chipset, 266MHz Bus Speed,
6-PCI, 1-ISA, 1-4x AGP Slot, 3-168 pin
Memory Slots, Award PnP BIOS, 2-USB
Ports. On board IDE RAID, IDE UDMA/
100 and I/O Controller, ATX Form Factor

AMD Duron™ 800MHz \$245
AMD Athlon™ 1.0GHz \$359
AMD Athlon™ 1.2GHz \$399
AMD Athlon™ 1.3GHz \$459

IWILL KA266-R \$175



ALI Chipset, 266MHz Bus Speed, 5-PCI,
1-AMR 1-4x AGP Slots, 3-DDR Memory
Slots, 2-USB Ports, Award PnP BIOS, On
board RAID/100, UDMA/100 and I/O Con-
troller, ATX Form Factor

AMD Duron™ 800MHz \$259
AMD Athlon™ 1.0GHz \$359
AMD Athlon™ 1.2GHz \$419
AMD Athlon™ 1.3GHz \$465

Prices and configurations are subject to change without notice. Not responsible for typographical errors. Valid RMA number required for all returns. Shipping, charges are not refundable and are deducted from price. No refunds will be made for merchandise returned after 30 days from the date of the invoice. Purchaser is responsible for all freight costs on all returns of merchandise. Full credit will not be given for incomplete or damaged returns. Products returned in non-refundable conditions are subject to a restocking fee. Call for warranty and return policy details. All logos and trademarks belong to their respective companies. Windows is a registered trademark of Microsoft Corporation.

ORDER TOLL FREE 800-284-2257 FAX: 216-763-8541



WWW.ADAMANT.COM
452 RENAISSANCE PKWY, CLEVELAND, OH 44128
PHONE 216-595-1211
TECHNICAL SUPPORT 216-595-9985
FAX 216-595-1430

WHACK!



[This is the sound of your hand hitting your head after you find out you could have designed your web pages faster, easier, and for less\$ by going to **Ulead.com** first]

PhotoImpact 6 is the best image editor for the Web.
Download a free trial at <http://compshop.ulead.com> to see why.
Or, buy it today at your nearest computer retailer.



© 2001 Ulead Systems, Inc. All Rights Reserved. Ulead is a registered trademark and Ulead PhotoImpact and the Ulead Systems logo are trademarks of Ulead Systems which may be registered in certain jurisdictions. All other trademarks are the property of their respective owners.



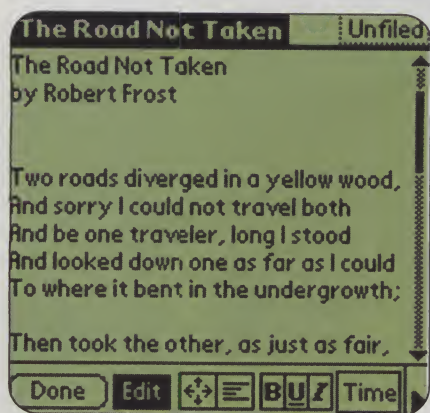
20 Titles You'll Want on Your Personal Digital Assistant

Empower YOUR PDA

BY DAVID ENGLISH



WHAT DISTINGUISHES A PDA FROM AN ELECTRONIC organizer? Both have a built-in suite of programs—but only the PDA can accept additional programs. When you purchase a PDA, you purchase a miniature computer that can continue to grow more useful as you install more software. Its functionality is limited only by the amount of RAM onboard and the imagination of the software developers who support the platform.

PDA APPS

WordSmith 1.0

So which categories of PDA programs are most useful? Productivity applications are popular; they often mimic familiar Windows applications. It would be difficult to duplicate all desktop functions, so these programs generally emulate the top features and translate the relevant data between your PC and PDA. A second category is Internet applications. These distill the Net experience for smaller screens and help you stay informed when you're away from the office. Utilities are also useful, letting you optimize the efficiency of your PDA. This category includes application launchers, backup programs, and memory managers. But for many, the true must-haves are games. They don't directly enhance your productivity, but most agree that engaging your mind between

meetings is important for your overall well-being. Whatever the payoff, plenty of PDA owners are playing games during off-hours.

With these four categories in mind, here's a pack of PDA programs that we deem the most useful—regardless of price or platform. Each significantly increases the value of its host PDA.

UMBILICAL CORD

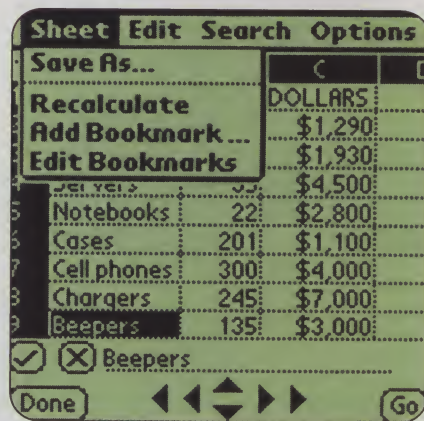
One of the greatest challenges for a PDA is to provide an easy way to sync your desktop files with your PDA files.

Although the Pocket PC supports Microsoft Word and Excel documents, the Palm doesn't support these file formats without third-party software.

With previous versions of DataViz's Documents To Go, you could read your PC's Word and Excel documents on your Palm. The latest version, **Documents To Go Professional Edition** (\$49.95), lets you edit them as well. Your word-processing documents can maintain their formatting, including bold, italics, underline, justification, and bullets. In addition, your spreadsheet documents can support data from multiple spreadsheets. The program creates its own conduit between the devices and automatically updates your files when a change is made on either your Palm or your PC. The only real downside: You can create new Word or Excel documents on your Palm, but

the process is awkward and unintuitive.

If all you need is word processing on your Palm, consider Blue Nomad's **WordSmith 1.0** (\$39.95). Like Documents To Go, it automatically updates your Word-compatible files between your Palm and PC. But as a stand-alone word-processing program, it's much stronger. The current version supports bold, italics, underline, superscript, subscript, and underlined text; font names, styles, and sizes; and word, character, and paragraph counts. You can set indents, margins, and spacing between paragraphs, as well as search for text. You can also synchronize with more than one computer. Not powerful enough for you? The next version, 1.1, will support tabs, bookmarks, color, and more automated replace and replace-all functions.



Documents To Go Professional Edition

Second Helpings

■ If you've got more room, we've got more recommendations.

You've installed a few of our favorites and still have space for more? No problem. Here are some additional programs that can help you turbocharge your PDA.

ActiveSky Media Player

Display interactive video and animation on your Pocket PC, Windows CE, Palm, or Handspring PDA.

ActiveSky • www.activesky.com
Free **34362**

BackupBuddy 1.4

The newer Palms do a better job of backing up your non-database files, but nothing beats BackupBuddy. Think of it as dead-battery insurance.

Blue Nomad • www.bluenomad.com
\$29.95 **34314**

Bubbles

Addictive puzzle game for Windows CE and Palm, in which you try to remove rows of colored bubbles. The Palm version is titled Bubblet.

Oopdreams Software • www.oopdreams.com
\$15 (Windows CE), \$12 (Palm) **34315**

eWallet

Encrypt and store your important information, such as credit-card numbers, passwords, serial numbers, and PINs. For the Pocket PC, Windows CE, and Palm.

Ilium Software • www.iliumsoft.com
\$29.95 **34316**

HackMaster 0.9

The entry point for hundreds of useful OS hacks. Lets you radically improve the operation of your Palm.

DaggerWare • www.daggerware.net
\$5 **34317**

Life Balance 2.5

Unusual Palm PIM program that includes your life goals along with your daily priorities. Uses fuzzy logic to balance competing factors.

Llamagraphics • www.llamagraphics.com
\$39.95 **34318**

Opera 3.62 for EPOC

Add a powerful browser to your EPOC 32-compatible PDA, including recent Psion models and Sonicblue's Diamond Mako. (A beta 5.02 version is now available.)

Opera Software • www.opera.com
\$39 **34319**

Pocket-Jongg 3.51

Challenging and colorful puzzle game, similar to Taipei or Mahjongg, with its own set of rules. Runs on the Pocket PC and many Windows CE devices.

C-Labs • www.c-labs.com
\$9.95 to \$14.95 **34321**

Preference Manager 1.5

Many Palm applications leave stray bits of themselves behind after you uninstall them. Clean up after them and reclaim the RAM.

Schachar Levin • members.nbci.com/pixil/software
\$15 **34322**

Stock Manager 3.02

Track your stocks and graph their performance using your Palm. Update prices via your Palm modem—wirelessly if you have a Palm VII—or while HotSyncing.

TinyStocks • www.tinystocks.com
\$24.95 **34323**

00000 = **Let Price It!**

For real-time pricing, go to priceit.zdnet.com and enter number.



Vindigo

SAFETY NET



Because a PDA isn't a full-featured desktop, it needs a scaled-down connection to the Internet. Forget about downloading multi-

megabyte Shockwave movies—you'll need your data in bite-size portions. These programs translate data that's too large to manage into a format more appropriate for a pocket-size device.

AvantGo (free) works with Pocket PC, Windows CE, and Palm devices to provide access to many of the most popular Web destinations. You can choose from more than 400 sites that have been reformatted for smaller screens. Read the latest news from *The New York Times*, find a nearby restaurant with Restaurant Row, and check on your upcoming flight with Trip.com. Use hyperlinks to move between pages, just as you would with a full-size browser. If you have a compatible wireless modem (such as a Novatel Wireless Minstrel modem with OmniSky software), you can access the Web-based information from just about anywhere. If you don't have a PDA modem, you can connect via your desktop's modem and browse the downloaded pages later.

Do you have a RIM BlackBerry wireless handheld? Would you like to use it to browse the Web? GoAmerica's **Go.Web** can provide the software and wireless service that adds limited Web browsing to the e-mail capability you already have. (Go.Web's Go.Lite costs \$9.95 a month, and the unlimited plan costs \$49.95 to \$59.95 a month.) You can browse standard Internet sites, though you won't be able to view the sites' graphics, including icons, pictures, and banner ads. The software lets you access any POP3 mail server, so you

PDA APPS

may be able access your personal e-mail account, as well as your company e-mail account. Also included are direct links to preformatted information from popular Web sites such as The Motley Fool, ZDNet, TheStreet.com, USA Today, and AltaVista. (Go.Web also provides support for the Palm, Pocket PC, and Windows CE platforms, but these platforms have numerous Web-browsing solutions to choose from; the RIM BlackBerry does not.)

Lots of programs provide information for travelers, but you won't find one as helpful as **Vindigo** (free). It runs on Palm-compatible devices, and it provides essential city-based information on where to eat, sleep, and play. When you HotSync the program, it checks the Vindigo Web site for the latest version with up-to-date schedules for local movie theaters. Tell the program your current location, and it will list the theaters closest to you with the movies you want to see, complete with directions. You can perform similar searches for restaurants, nightclubs, bars, and retail stores. All entries have a phone number, an address, and basic directions. Many have full reviews.

TOOLS OF THE TRADE



Half the fun of owning a PDA is finding utilities that make it run better. After selecting and installing the utilities that strike your fancy, your PDA will begin to reflect your own personality.

Many PDA owners use their Today page as their home base. Because PDAs allow instant-on operation, users often check their daily schedule throughout the day. Unfortunately, the Pocket PC's Today page isn't exactly the nerve center of the device. **SnoopSoft Dashboard 1.1** (\$13) changes that. It lets you see your tasks on the Today page (not just a simple count), view your appointments over a specified

PDA Portals

Get more goodies online.

A wealth of news and downloadable programs is available for PDAs—if you know where to look. The more popular the PDA, the more you'll find. Even orphaned models have their supporters that continue to distribute new and old programs. You'll also encounter fierce loyalty and religious wars over which platform is superior.

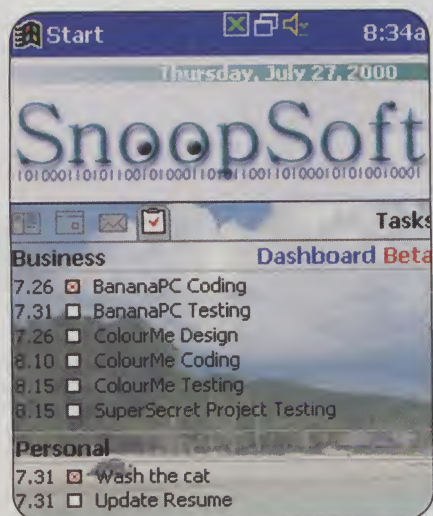
PDAStreet.com (www.pdastreet.com) is a good place to start. It features separate sections for a wide range of PDA platforms, including Palm, Visor, Windows CE, Psion, Pocket Linux, BlackBerry, Rex, Helio, Newton/eMate, HP200LX, and Smart Phones. News and downloads are deftly mixed, and the site is especially easy to navigate.

If you primarily need downloads for the top PDA platforms (Palm, Pocket PC, and Windows CE), check out **ZDNet Downloads** (www.zdnet.com/downloads). Unlike some competing PDA download sites, ZDNet provides ratings so you can separate the wheat from the chaff. Informative articles highlight the best programs in various categories and describe new uses for your diminutive

computer. (ZDNet is owned by CNET Networks, Computer Shopper's parent company.)

Another full-featured site is **Tucows** (www.tucows.com). It has mirror sites located in most U.S. states, so you can often download files quickly. Tucows has separate sections for Palm, Pocket PC, Windows CE, EPOC, Newton, and BlackBerry. Like ZDNet, Tucows rates its downloads so you can concentrate on the good stuff. A handy What's New section lets you see the recently acquired files for each platform.

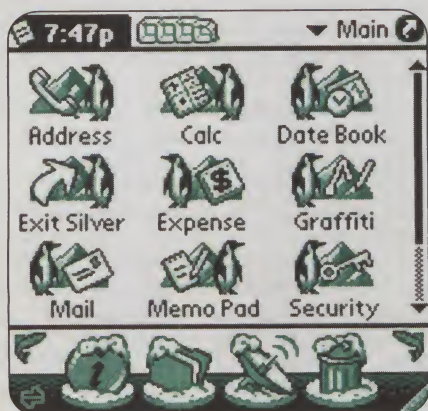
The Gadgeteer (www.the-gadgeteer.com) doesn't have as many files to download as the other sites, but it has plenty of background information on each platform and lots of links to help you find the top sites devoted to each PDA. You can also find reviews of software and accessories, as well as relevant newsgroups. The Gadgeteer currently supports Palm, Pocket PC, Windows CE, Psion, Visor, HP200LX, Rex, Newton/eMate, Libretto, Avigo, IBM PC I/O, and wearable computers.

PDA APPS

SnoopSoft Dashboard 1.1

date range, view your e-mail messages, and use a wallpaper background (a feature that had previously been offered with Windows CE devices). You may never have to leave your Today page again.

If you think your Palm's interface could stand some sprucing up, check out PocketSensei's **SilverScreen 1.9** (\$19.95; version 2.0 may be available by the time you read this). This full-featured program launcher comes with a variety of themes, letting you dramatically change the look of the controls and icons. Give your Palm a space-age look or even a frozen appearance complete with friendly penguins and an ice-cube battery indicator. A pop-up toolbar lets you quickly beam, delete, categorize, or get info about any application. A stylus stroke calls up your 10 most recently visited programs for easy access. Best of all, the changes blend in with the standard



SilverScreen 1.9

Palm layout so you won't have to learn a whole new interface. New features in version 1.9 include a desktop-like file-deletion system, an improved list-view interface, and two enhanced themes, Gravity and Magic Desk.

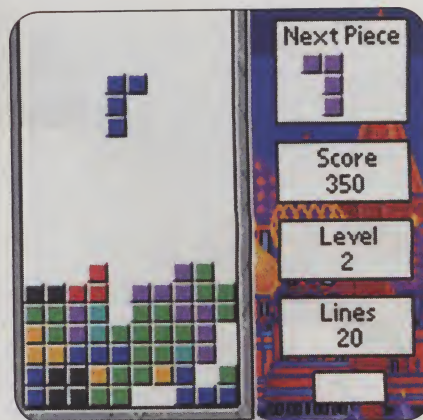
THAT'S ENTERTAINMENT

Delayed at the airport or stuck in a cab? You could fume about being late, or find something else to occupy your mind. PDAs are great distractions when it's time to take a break. Despite the units' small screens and scaled-down audio, some surprisingly engaging entertainment titles are available for them.

While it's nearly impossible to find a game package that will appeal to everyone, **Pocket Express Entertainment Pack** (\$29.99) comes awfully close. Designed for Palm-compatible devices, its six games include Tetris Classic and Lode Runner: The Legend Returns (the only authorized versions for the Palm), as well as the excellent PocketChess. You also get Pocket Express Blackjack, Pocket Express PokerDice, and SmallWare's Solitaire Free. Install them all, or choose your favorites. Color is supported on color Palms.

One big problem with PDA games: They never look as good as their desktop counterparts. Zio Interactive's **ZioGolf** (\$24.95 to \$34.95) is no Links, but it looks good and plays well enough to draw a crowd of admiring onlookers. Versions are available for the Pocket PC, Windows CE, and Palm. The impressive 3D animation looks especially good on color devices. Extra golf courses are available, including Sedona, Hiddenbrooke, Flamingo, Bristol Harbour, and Hidden Valley.

Who needs a portable MP3 player when you have a Pocket PC? If you use your Pocket PC for listening to music files, consider installing Microsoft's **Windows Media Player 7 for Pocket PC** (free). Using the Windows Media format instead of MP3, you'll be able to store twice as much music in the same amount of memory. This latest version improves the compression algorithms, integrates audio and video playback, and provides digital rights management (so you can play copy-protected audio files). The upgrade is free, so feel free to ratchet up your Pocket PC's multimedia capabilities. ▼



Pocket Express Entertainment Pack

Product Listing**AvantGo**

(Pocket PC, Windows CE, and Palm)
AvantGo • www.avantgo.com
Free **34324**

Documents To Go Professional Edition

(Palm)
DataViz • www.dataviz.com
\$49.95 **34325**

Go.Web

(BlackBerry, Pocket PC, Windows CE, and Palm)
GoAmerica Communications
www.goamerica.net
\$9.95 for Go.Lite; \$49.95 to \$59.95 for unlimited plan **34326**

Pocket Express Entertainment Pack

(Palm)
Pocket Express • www.pocketexpress.com
\$29.99 **34327**

SilverScreen 1.9

(Palm)
PocketSensei • www.pocketsensei.com
\$19.95 **34328**

SnoopSoft Dashboard 1.1

(Pocket PC)
SnoopSoft • www.snoopsoft.com
\$13 **34329**

Vindigo

(Palm)
Vindigo • www.vindigo.com
Free **34330**

Windows Media Player 7 for Pocket PC

(Pocket PC)
Microsoft • www.microsoft.com
Free **34331**

WordSmith 1.0

(Palm)
Blue Nomad • www.bluenomad.com
\$39.95 **34332**

ZioGolf

(Pocket PC, Windows CE, and Palm)
Zio Interactive • www.ziosoft.com
\$24.95 to \$34.95 **34333**

00000 = **zd** Net Price It!

For real-time pricing, go to priceit.zdnet.com and enter number.



ECONOMIC SHOCK ABSORBERS. SIZED TO FIT YOUR E-BUSINESS.

Affordable **e-business tools** from IBM smooth out the bumps.

Speed bumps on the road to business success are not well marked, if at all. That's why you need a firm grip on the wheel and equipment from IBM for consistently powerful performance. IBM offers a wide range of NetVista desktops, including the awesome new A60 with an Intel® Pentium® 4 1.40GHz² processor for intense, power-hungry applications. The NetVista systems featured here provide proven technology that's easier than ever to use, expand and service.



IBM NetVista™ A60
\$1,749*

IBM NetVista A40

Stability and manageability
Intel Pentium III processor 1.0GHz
128MB RAM
20GB³ HDD
48X-20X⁴ CD-ROM
10/100 Ethernet
Microsoft® Windows® 2000 Professional
Lotus® SmartSuite® Millennium Edition⁵
15" monitor (13.8" viewable, Part #15MONW1)
3-year parts and onsite labor limited warranty⁶
Part #6578TAU

NEW IBM NetVista A60

Ultimate performance for maximum computing
Pentium 4 processor 1.40GHz
128MB PC 600 RDRAM
20GB HDD • 48X-20X CD-ROM
10/100 Ethernet
32MB NVIDIA TNT2 graphics
Windows 2000 Professional
Microsoft Office 2000 Small Business
17" monitor (15.9" viewable, Part #17MONB1)
3-year parts and onsite labor limited warranty
Part #683340U

Don't see Microsoft Office 2000 Small Business on your system?
Ask for Part #22P6767 and we'll add it for an additional cost.

\$1,299

SuccessLease™
for Small Business *\$46/MO.⁷, 36 MOS.

CUSTOMIZE YOURS:

HP OfficeJet T45 All-in-One
(Part #01N1369) \$299.99 or \$11/month

UMAX 3400 Flatbed Scanner
(Part #19K4199) \$79.99 or \$3/month

HP DeskJet 932C Color Printer
(Part #01N1364) \$199.99 or \$7/month

\$1,749

SuccessLease
for Small Business *\$62/MO.⁷, 36 MOS.

CUSTOMIZE YOURS:

Lexmark Z32 Color Jetprinter
(Black, Part #22P5337) \$79.99 or \$3/month

IBM Office Professional 500 UPS*
(Part #10K1911) \$129.99 or \$5/month

Imaging Zip 250MB Ext. USB Drive
(Part #22P5787) \$179.99 or \$6/month

DON'T MISS THIS TURN

DIRECT TO YOU

Toll free **1 866 426-0903**

ibm.com/shop/M026

to buy direct or to locate an IBM reseller.

IBM recommends Windows 2000 Professional for business.

An IBM e-business advantage for small business



*Pricing shown is price available from IBM directly. Reseller prices may vary. IBM price does not include tax or shipping and is subject to change without notice. ²MHz/GHz only measures microprocessor internal clock speed; many factors affect application performance. For mobile Intel Pentium III processors featuring SpeedStep technology, this denotes maximum performance mode; battery optimization mode is approximately 80% of maximum performance mode. ³GB equals one billion bytes when referring to storage capacity; accessible capacity may be less. ⁴CD-RW, DVD-ROM and CD-ROM drives list a variable read rate. CD-RW write and re-write speeds vary and list only the maximum possible. Actual CD-RW, DVD-ROM and CD-ROM speeds will vary and are often less than the maximum possible. The read and write results of the CD-RW drive depend on the quality and characteristics of the CD-R and CD-ROM media used. Poor results may be obtained with some media suppliers. ⁵Some software may differ from its retail version (if available), and may not include user manuals or all program functionality. For non-IBM software, applicable third-party licenses may apply. Warranty, service and support for non-IBM products, if any, are provided by third parties, not IBM. IBM makes no representations or warranties regarding non-IBM products. ⁶For terms and conditions or copies of IBM's Statement of Limited Warranty, call 1 800 772-2227 in the US and in Canada call 1 800 426-2255. Telephone support may be subject to additional charges. For warranties including onsite labor, customer may be asked certain diagnostic questions before a technician is sent. Warranty does not include ThinkPad battery, which is covered by a separate, one-year limited warranty. ⁷SuccessLease is offered and administered in the US, Canada and other countries by third-party providers of business financing approved by IBM Global Financing. SuccessLease terms and conditions provided by the third party. Featured monthly lease payments are based on a 36-month term with prespecified purchase option at the end of lease, to qualified business customers only, installing in the US. A documentation fee and first month's payment due at lease signing. Any taxes are additional. Other lease terms and structures are available. Offer may be withdrawn or changed without notice. Options listed cannot be leased separately from system unit. ⁸This product is distributed and sold by Tripp Lite. IBM, the IBM logo and IBM trade dress are owned by International Business Machines Corporation and are used under a license from IBM. IBM does not manufacture this product and provides no warranty or support for this product. Please contact Tripp Lite at 1 800 420-9764 for all questions/comments and service or support related to this product. ⁹Designed to be capable of receiving at up to 56Kbps with compatible phone line and server equipment, and transmitting at up to 31.2Kbps. Public networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible. ¹⁰Includes battery and optional travel bezel instead of standard optical drive in Ultrabay 2000, if applicable; weight may vary due to

IBM technology helps stabilize your e-business when the going gets rough.

As reliable as these NetVista desktops are for the office, IBM ThinkPad notebooks are road-tested e-business tools for traveling. ThinkPad systems include extra-thin, extra-light models and affordable desktop alternatives. All are competitively priced with industry-leading design and the performance features you need for an e-xperience in the express lane.



IBM NetVista X40

Bold, space-saving design

Intel® Pentium® III processor 800MHz
128MB RAM
20GB HDD
24X-10X CD-ROM
10/100 Ethernet

Windows 2000 Professional
Lotus SmartSuite Millennium Edition
15" TFT display

3-year parts/1-year onsite labor limited warranty
Part #664322U

\$2,299

SuccessLease™
for Small Business ***\$81/MO., 36 MOS.**

CUSTOMIZE YOURS:

IBM MultiPort USB Hub
(Part #00N8215) \$142 or \$5/month

HP ScanJet 4300Cse Scanner
(Part #01N1373) \$149.99 or \$5/month

IBM Infoprint 12 Laser Printer
(Part #4912001) \$399 or \$14/month

IBM ThinkPad i Series

Affordable
Mobile Intel Celeron™ processor 600MHz
12.1" SVGA TFT display
64MB SDRAM
10GB HDD
24X-10X CD-ROM
Integrated 56K V.90 modem
Integrated SMI LynxEM+ graphics
SoundBlaster Pro audio
Windows Millennium Edition
Lotus SmartSuite Millennium Edition
ThinkPad Button
5.9 lbs.¹⁰ travel weight
Part #116142U

IBM ThinkPad X21

Ultraportable
Mobile Pentium III processor 600MHz
featuring Intel SpeedStep™ technology
12.1" SVGA TFT display
64MB SDRAM
10GB upgradable HDD
Mini PCI 56K V.90 modem
4MB SDRAM ATI Rage Mobility M graphics
Windows 98 Second Edition
Lotus SmartSuite Millennium Edition
3.5-hour¹² Li-Ion battery
Titanium Composite cover¹³
ThinkPad Button
3.5 lbs. travel weight
Part #266221U

IBM ThinkPad T22

Performance and portability
Mobile Pentium III processor 900MHz
featuring Intel SpeedStep technology
14.1" XGA TFT display
128MB SDRAM • 20GB upgradable HDD
Ultrabay™ 2000 8X-2X DVD-ROM
Mini PCI 56K V.90 modem
8MB SGRAM Savage iX8 graphics
Windows 98 Second Edition
Lotus SmartSuite Millennium Edition
3.5-hour Li-Ion battery
Titanium Composite cover
ThinkPad Button
4.7 lbs. travel weight
Part #26474CU

Don't see Microsoft Office 2000 Small Business on your system?
Ask for Part #22P6767 and we'll add it for an additional cost.

\$1,149

SuccessLease
for Small Business ***\$41/MO., 36 MOS.**

CUSTOMIZE YOURS:

64MB SDRAM Upgrade
(Part #20L0254) \$65 or \$2/month

128MB SDRAM Upgrade
(Part #20L0255) \$119 or \$4/month

IBM Compu-Plus Nylon Carrying Case¹¹
(Part #33L4871) \$69.99 or \$2/month

\$2,849

SuccessLease
for Small Business ***\$101/MO., 36 MOS.**

SWAPPABLE OPTIONS:

UltraBase™ X2 Media Slice for X Series
(Part #08N1180) \$199 or \$7/month

IBM 1GB Microdrive
(Part #07N5574) \$479 or \$17/month

HP DeskJet 350C Portable Printer
(Part #19K5690) \$279.99 or \$10/month

\$3,149

SuccessLease
for Small Business ***\$104/MO., 36 MOS.**

SWAPPABLE OPTIONS:

ThinkPad T22 Carrying Case¹⁴
(Part #10K3765) \$99.99 or \$4/month

ThinkPad Port Replicator
(Part #02K8667) \$149 or \$5/month

IBM 8MB USB Memory Key
(Part #19K4513) \$49 or \$2/month



DIRECT TO YOU

Toll free **1 866 426-0903**

ibm.com/shop/M026

to buy direct or to locate an IBM reseller.



IBM recommends Windows 2000 Professional for business.

vendor components, manufacturing process and options. ¹¹This product is distributed and sold by Betesh/Motion Systems. IBM, the IBM logo and IBM trade dress are owned by International Business Machines Corporation and are used under a license from IBM. IBM does not manufacture this product and provides no warranty or support for this product. Please contact Betesh/Motion Systems at 1 800 624-9162 for all questions/comments and service or support related to this product. ¹²These model numbers achieved a ZD BatteryMark™ Version 3.0 or 4.0 Battery Runtime Time of the times shown above. This test was performed without independent verification by ZD; ZD makes no representations or warranties as to these test results. BatteryMark™ is a trademark of ZD Inc. in the US and other countries. A description of the environment under which the test was performed is available at ibm.com/pc/www/thinkpad/batterylife.html. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning and other customer preferences. ¹³Titanium Composite Carbon Fiber Reinforced Plastic has three times the strength of ABS plastic as tested by IBM using the high flex modulus test on 2/28/00. Available on select models. ¹⁴This product is manufactured for and distributed and sold by Port/Targus. IBM, the IBM logo and IBM trade dress are owned by International Business Machines Corporation and are used under license from IBM. IBM does not manufacture this product and provides no warranty or support for this product. Please contact Port/Targus for all questions/comments and service or support related to this product. IBM reserves the right to alter product offerings and specifications at any time, without notice. SuccessLease and all IBM product names are registered trademarks or trademarks of International Business Machines Corporation. Lotus and SmartSuite are registered trademarks of Lotus Development Corporation, an IBM company. Intel, the Intel Inside logo and Pentium are registered trademarks and Celeron and SpeedStep are trademarks of Intel Corporation. Microsoft and Windows are registered trademarks of Microsoft Corporation. Other company, product and service names may be trademarks or service marks of others. ©2001 IBM Corp. All rights reserved.

www.nutrend.com



"The Athlon Mega 2 is a powerful system that will appeal to gamers or anyone else who needs high performance."

Best Buy, Computer Buyer's Guide, January 2001

"If you need great performance, excellent components, and lots of expandability, all at a great price, take a long look at the Nutrend Athlon Mega 2. This is a system we'd recommend for power users and serious gamers everywhere."

Best Buy, Computer Buyer's Guide, October 2000

"The Athlon Ultra's performance is blistering. Conventional business applications are child's play, while truly demanding software—which is to say, games—run with a commendable smoothness and ease."

Best Buy, Computer Buyer's Guide, May, August 2000



January 2001 Athlon Ultra 2
October 2000 Athlon Special 2

Athlon Force 2: Top 15 Home PC, March 2001
Athlon Special 2: Top 10 Budget PC, March 2001
Duron Power 2: Top 10 Budget PC, December 2000
Business Athlon 1: Top 10 Midrange PC, February 2001

The Best Value for Your Money

888-482-6678



Athlon Ultra 1

- AMD Athlon VIA KT133 Thunderbird 4X AGP M/B
- Inwin ATX Mid-Tower Case w/300 Watt (AMD Certified)
- Kingston or Viking 128MB PC133 Memory
- Maxtor 40GB Ultra ATA100 Hard Drive
- Optique Z90 19" .26 SVGA Color Monitor, PnP 1600x1200
- Pioneer 16X DVD-ROM Drive
- Matrox Millennium G450 32MB 4X AGP Card w/Dual Video Output
- Creative Labs SoundBlaster Live! Value Sound Card
- Altec Lansing ACS54 5-Piece Speaker System
- US Robotics 56K V.90 Hardware Fax Modem

★ Optional One-Year On-site Service @ \$29

\$1239
ATHLON 950MHz #A505
1.0GHz #A506 \$1259 1.2GHz #A508 \$1309
1.1GHz #A507 \$1279 1.3GHz #A509 \$1329

Athlon Ultra 2

- AMD Athlon VIA KT133 Thunderbird 4X AGP M/B
- Inwin ATX Mid-Tower Case w/300 Watt (AMD Certified)
- Kingston or Viking 128MB PC133 Memory
- Maxtor 60GB Ultra ATA100 Hard Drive
- Optique Z90 19" .26 SVGA Color Monitor, PnP 1600x1200
- Pioneer 16X DVD-ROM Drive
- Nvidia GeForce 2 Ultra 64MB 4X AGP Video Card, VIVO
- Creative Labs SoundBlaster Live! Value Sound Card
- Creative Labs Cambridge SoundWorks FourPoint Surround FPS2000 5-Piece Speaker System
- US Robotics 56K V.90 Hardware Fax Modem

★ Optional One-Year On-site Service @ \$29

\$1549
ATHLON 950MHz #A515
1.0GHz #A516 \$1569 1.2GHz #A518 \$1619
1.1GHz #A517 \$1589 1.3GHz #A519 \$1639

Athlon Mega 1

- AMD Athlon VIA KT133 Thunderbird 4X AGP M/B
- Inwin ATX Mid-Tower Case w/300 Watt (AMD Certified)
- Kingston or Viking 128MB PC133 Memory
- Maxtor 30GB Ultra ATA100 Hard Drive
- Optique Z70 17" .27 SVGA Color Monitor, PnP 1280x1024
- 12X DVD-ROM Drive
- ATI Radeon VE w/32MB DDR 4X AGP Dual Display Card
- Creative Labs SoundBlaster PCI 128 Sound Card
- Altec Lansing ACS33 Speakers w/Subwoofer
- ZOOM 56K V.90 Fax Modem
- 3Com 905 10/100 Ethernet Card

★ Optional One-Year On-site Service @ \$29

\$1009
ATHLON 950MHz #A525
1.0GHz #A526 \$1029 1.2GHz #A528 \$1079
1.1GHz #A527 \$1049 1.3GHz #A529 \$1099

Athlon Mega 2

- AMD Athlon VIA KT133 Thunderbird 4X AGP M/B
- Inwin ATX Mid-Tower Case w/300 Watt (AMD Certified)
- Kingston or Viking 128MB PC133 Memory
- Maxtor 40GB Ultra ATA100 Hard Drive
- Optique Z90 19" .26 SVGA Color Monitor, PnP 1600x1200
- Pioneer 16X DVD-ROM Drive
- Nvidia GeForce 2 MX 4X AGP 32MB Video Card w/TwinView
- Creative Labs SoundBlaster Live! Value Sound Card
- Altec Lansing ACS54 5-Piece Speaker System
- ZOOM 56K V.90 Fax Modem
- Add 3Com 905 10/100 Ethernet Card @ \$49

★ Optional One-Year On-site Service @ \$29

\$1179
ATHLON 950MHz #A535
1.0GHz #A536 \$1199 1.2GHz #A538 \$1249
1.1GHz #A537 \$1119 1.3GHz #A539 \$1269

Nutrend System Includes ♦ 1.44MB Floppy Drive ♦ 104-Key Keyboard ♦ Desktop Microphone ♦ PS/2 Mouse w/Nutrend Mouse Pod ♦ Microsoft Windows 98 SE or Millennium Edition ♦ Corel WordPerfect Office 2000

Athlon Special 1

- AMD Athlon VIA KT133 Thunderbird 4X AGP M/B
- Inwin ATX Mid-Tower Case w/300 Watt (AMD Certified)
- Kingston or Viking 64MB PC133 Memory
- Maxtor 20GB Ultra ATA100 Hard Drive
- Optique Z70 17" .27 SVGA Color Monitor, PnP 1280x1024
- 52X CD-ROM Drive
- Nvidia TNT2 M64 w/32MB 4X AGP Video Card
- Creative Labs SoundBlaster PCI 128 Sound Card
- Altec Lansing ACS33 Speakers w/Subwoofer
- ZOOM 56K V.90 Fax Modem

★ Optional One-Year On-site Service @ \$29

\$909
ATHLON 950MHz #A555
1.0GHz #A556 \$929 1.2GHz #A558 \$979
1.1GHz #A557 \$949 1.3GHz #A559 \$999

Athlon Special 2

- AMD Athlon VIA KT133 Thunderbird 4X AGP M/B
- Inwin ATX Mid-Tower Case w/300 Watt (AMD Certified)
- Kingston or Viking 128MB PC133 Memory
- Maxtor 30GB Ultra ATA100 Hard Drive
- Optique Z70 17" .27 SVGA Color Monitor, PnP 1280x1024
- 12X DVD-ROM Drive
- Nvidia TNT2 M64 w/32MB 4X AGP Video Card
- Creative Labs SoundBlaster PCI 128 Sound Card
- Altec Lansing ACS33 Speakers w/Subwoofer
- ZOOM 56K V.90 Fax Modem

★ Optional One-Year On-site Service @ \$29

\$979
ATHLON 950MHz #A565
1.0GHz #A566 \$999 1.2GHz #A568 \$1049
1.1GHz #A567 \$1019 1.3GHz #A569 \$1069

Athlon Force

- AMD Athlon VIA KT133 Thunderbird 4X AGP M/B
- Inwin ATX Mid-Tower Case w/300 Watt (AMD Certified)
- Kingston or Viking 64MB PC133 Memory
- Maxtor 20GB Ultra ATA Hard Drive
- Optique Z70 17" .27 SVGA Color Monitor, PnP 1280x1024
- 52X CD-ROM Drive
- ATI Rage Xpert w/8MB AGP Video Card
- Creative Labs SoundBlaster PCI 16 Sound Card
- Altec Lansing ACS33 Speakers w/Subwoofer
- ZOOM 56K V.90 Fax Modem

★ Optional One-Year On-site Service @ \$29

\$849
ATHLON 950MHz #A575
1.0GHz #A576 \$869 1.2GHz #A578 \$919
1.1GHz #A577 \$889 1.3GHz #A579 \$939

Duron Power

- Gigabyte GA-72M VIA KT133 4X AGP M/B
- Inwin Micro ATX Tower Case (AMD Certified)
- Kingston or Viking 128MB PC133 Memory
- Maxtor 20GB Ultra ATA100 Hard Drive
- Optique Z70 17" .27 SVGA Color Monitor, PnP 1280x1024
- 12X DVD-ROM Drive
- Nvidia TNT2 M64 w/32MB 4X AGP Video Card
- Intel Integrated PCI Sound
- Altec Lansing ACS33 Speakers w/Subwoofer
- ZOOM 56K V.90 Fax Modem

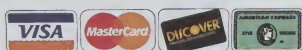
★ Optional One-Year On-site Service @ \$29

\$859
DURON 750MHz #A592
800MHz #A593 \$879 850MHz #A594 \$899

Nutrend System Includes ♦ 1.44MB Floppy Drive ♦ 104-Key Keyboard ♦ Desktop Microphone ♦ PS/2 Mouse w/Nutrend Mouse Pod ♦ Microsoft Windows 98 SE or Millennium Edition ♦ Corel WordPerfect Office 2000



- Lifetime Toll-Free Technical Support
- 3 Years Limited Parts /Lifetime Labor Warranty
- 30 Days Money Back Guarantee
- Corporate, School, and Government POs Welcome



Price, specification, and terms are subject to change without notice. Picture shown with upgrade options. Nutrend is not responsible for errors in typography and/or photography. 30 days money back guarantee does not include opened software, parts, or special orders merchandise. Original shipping and handling fee along with return shipping charge are non-refundable. Products returned after 30 days or in a non-refundable condition are subject to a restocking fee. © 2001 Nutrend Computer Products Inc. All rights reserved.

- Sales Hours: Mon-Fri 7:00AM-6:00PM PST
- Sat 9:00AM-1:00PM PST
- Tel: 562-692-4462 Fax: 562-699-8713
- Technical Support: 888-525-5181







Building the Best Machine

BY KEVIN SHAY

Taking advantage of the features of major PC vendors' Web sites can help you determine exactly what you need in a system and where to get it.

A database and Internet consultant since 1984, Joshua Wachs has bought and leased his share of PCs for both personal and business use, and he knows all too well the usual pitfalls of computer shopping. "Salespeople usually try to give you the most expensive package, and retail stores want to push whatever they're trying to clear out of their inventory," says Wachs. "It's a Goldilocks situation: It's easy to end up with something that's either overkill or underpowered."

For his recent purchases, instead of picking up the phone or driving to the store, Wachs has let his browser do the walking to Dell Computer's Web site. "The whole product line is right there in front of me," he says. Even more valuable has been the site's configuration feature. "There's a ton of variables: processor, video card, networking, storage." By ordering online, he says, "I can choose exactly the pieces I want for any given computer, and save

money without cutting corners."

Wachs is one of a growing number of shoppers who are turning to the Web to help find the perfect computer among the rich and often baffling smorgasbord of options. Fortunately, leading PC makers like Dell, Compaq Computer, Gateway, Hewlett-Packard, IBM, Micronpc.com, and Toshiba America have continually improved their Web sites to help you digest this complicated menu. A few features and packaging approaches are common to most of these sites, while others offer unique innovations. Each storefront serves up a remarkable amount of information.

A well-designed site, particularly one with an interactive buying guide, can help you weigh the variables in your PC-buying decision in a way that transcends a single vendor's products. Regardless of your vendor choice, all of these sites are worth including in your research.

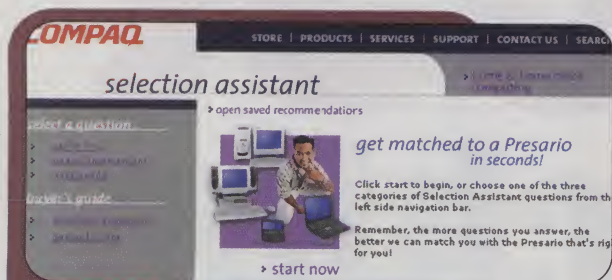
PROFILES IN COURAGE

The first step in buying a customized computer is deciding what components you'll need. This can be a remarkably complicated process, involving dozens of choices about processor speed, memory, drives, sound cards, graphics cards, and more.

To help you navigate this morass of decisions, virtually every PC vendor provides user profiles or buying guides. Most frame your choices around how you'll be using the system, and many categorize their offerings according to type of user, rather than type of computer.

When you browse a PC vendor site, you'll usually be presented with shopping guidelines for home, home office, small business, large business, and the like. While ever faster hardware and the growing trend toward telecommuting have eroded the traditional split between home and business computing, you'll still find it reflected on PC vendors' sites.

Keep in mind that even if you're not running a business or working from home, some of the "business" systems might meet your needs. For example, at Compaq's site (www.compaq.com), the Home and Home Office section contains only the company's Presario line, bundled with family-friendly options you may not want, like a Webcam



Compaq's Selection Assistant is a friendly guy who aims to fix you up with a Presario in a matter of seconds. All you have to do is answer a series of questions.

and a MyStyle Accent Color Kit (although you can opt out of each in the configuration process). Venture over to the Small and Medium Business section, and you'll find Compaq's Deskpro and sleek iPaq systems, comparable in performance to similarly configured Presarios and appropriate for many home users, at very attractive prices.

Take these types of classification as guidelines, and don't be afraid to stray from them. That goes double for the designations some sites use to subdivide home users (beginner, student, family, gamer, and so on).

Arbitrary or not, these labels can be a useful starting point for choosing a base

PC VENDOR SITES

system—so long as they were carefully defined by the vendor. For instance, the HP retail site, www.hpshopping.com, has some well-chosen user profiles, from Value Shopper (who HP imagines thinking, "I need an affordable, reliable PC for surfing the Internet and home computing") to Power User ("Let me see gigahertz PCs, with the biggest hard drives and the best video cards"). The basic recommendations can be further customized to meet each user's needs.

Gateway (www.gateway.com) uses a different tactic in classifying customers. Rather than create an entirely separate system for each type of user, Gateway starts with a smaller number of fairly generic base systems, to which you can add an outstanding variety of additional components and software. Going beyond traditional software bundles, Gateway's YourWare bundles include, for example, a range of MusicWare packages containing various combinations of items such as a CD burner, a CD labeler, an MP3 player, and jukebox software. Another package, the Learning 2000 Lifetime Library, features educational software for 4th- through 12th-graders.

Although they're only available when you buy a Gateway computer, these thoughtfully constructed packages can give you an idea of the hardware and software you'll need when setting out to build a system on any other site.

BUYING ADVISORS

If your computing activities can't be pigeonholed, try the PC vendors' interactive buying advisors. You respond to a series of questions, and the advisor recommends a system based on your responses.

Among the best is the Your Advisor feature on the ShopIBM site (commerce.www.ibm.com). Unlike some competitors, whose advisors force you to choose between mutually exclusive categories, IBM understands that most people want more than one thing from a computer. Your Advisor lets you select multiple activities for which you'll be using your system—such as accessing the Internet, managing your finances, building a Web site, and creating and downloading movies—and tries to suggest a system that will accommodate all your needs. After an initial recommendation is made, subsequent screens present additional questions to refine the suggestion.

While this sort of interactive buying guide can be extremely useful, the rules currently used to determine a configuration seem fairly primitive. It would be helpful if the interactive advisors told you the reasoning behind each element of a system. ("You said you wanted to create music, so this system includes a Sound Blaster Live Platinum sound card.")

Features like IBM's Your Advisor are a

HP offers up four "personality types" you can identify with when researching your purchase. The matching PCs range from practical to powerhouse.

good way to put yourself in the right hardware ballpark. And remember, whatever you learn from one vendor's tool can be applied to another vendor's products. If IBM points you toward, say, a \$1,300 setup with an 800MHz processor, 128MB of RAM, and an nVidia GeForce2 video card, you can price similarly configured models from Dell or Gateway.

Need more help? Gateway offers live online chat with an eSales Advisor. All the vendors mentioned here can be e-mailed, and, perhaps not surprisingly, sales inquiries traditionally get a quicker response than technical-support queries.

GO CONFIGURE

Once you determine the basic system you need, it's time to examine the particular options you want. For the control freak, buying online can really outshine grabbing an off-the-shelf system, because you can customize every aspect of your dream machine.

Most online vendors provide interactive configurators, tools that present drop-down menus of all the customizable options for a given model. Select the options you want, and the configurator recalculates the total price of the system. Though build-to-order PCs were commonplace before the advent of online shopping, configurators make it infinitely easier to experiment with a wide variety of hypothetical systems without committing to a purchase (or keeping a salesperson on the phone for hours: "Okay,

now how much would that cost if I added the speakers, but without the Zip drive?”).

Since you can't be expected to know all the technical specs of the various options, the better configurators let you click on a feature and get a pop-up window explaining it. Micronpc.com's and HPshopping.com's tools both provide excellent information.

All configurators are not created equal, however. Some vendors offer a greater level of customization than others, and some configuration tools are better-designed and easier to navigate. In both of these respects, we found Micronpc.com's configurator to be the best in its class.

Why do configurators vary? Different companies structure their product lines differently. Some vendors, such as Gateway and HP, consider the processor to be a defining characteristic for a given model; to configure a PC with a different processor, you have to back up and reenter a different base model. Not so with Micronpc.com, which lets you toggle among a range of processors, souping up your system by upgrading the processor or saving some cash by downgrading it. The site also provides excellent pop-up definitions of computer components and terminology.

Some configurators start with a base-level version of the model in question—minimal memory, low-end audio and video, and few, if any, peripherals—but Micronpc.com gives you two entry points for each model in each product line: a stripped-down Build on the Basics configuration and a more powerful Built for Performance version, which starts with several key options already upgraded.

Given the number of features that are subject to your personal preference, it would be easy for the page containing the options to seem cluttered and intimidating. Micronpc.com circumvents this problem by breaking them up into “key features” and “additional features,” as well as providing a screen displaying all features at once.

One timesaving enhancement that Micronpc.com doesn't provide is real-time updating of the total price when you change a selection. As with most sites, you still have to click a button to reload the page with the new tally. Toshiba (www.toshiba.com), which uses a Java applet, is one site where you can find live price updating; Egghead.com (www.egghead.com) is another.

AVAILABLE FOR A LIMITED TIME

Once you've customized your system, it's time to close the deal. But don't do so without shopping around and snapping up a few short-term special offers.

PC VENDOR SITES

Comparison shopping is easier on the Web than in a brick-and-mortar store. Compaq, IBM, and Micronpc.com offer side-by-side comparison charts listing the features of selected models within a particular line. And the comparison process doesn't have to stop at base models. After whipping up your dream system, some configurators save it for future reference. Micronpc.com, for example, lets you enter your e-mail address and a name for the quote; you're e-mailed a URL, good for 14 days, that you can use to reload all the configuration details. The company also lets you e-mail a configuration quote to someone else, which could come in handy for soliciting purchasing advice from friends.

Once you've generated a price quote, be on the lookout for special offers, rebates, and online coupons. Some special offers from vendors are Web-only. Some offers may be boldly displayed on the home page, while others may be buried a little deeper. If you're shopping with tunnel vision, looking only for one particular

model, you might miss them.

Explore various sections of each site to dig up deals. For instance, HP and Compaq have entire sections listing current rebates, Compaq touts auctions on refurbished computers, and Dell has a trade-in program. In fact, you may not want to dismiss any unsolicited pop-up windows too quickly; there may be something in them for you. Some vendors are offering free printers or scanners with the purchase of a system, while others lop off \$100 from the price. And if you don't mind a little extra e-mail, sign up for the vendor's newsletter, which will alert you to the latest promotions.

Bundle, but Don't Blunder

PCs come wrapped in ever more elaborate packages, with options to add speakers, digital cameras, printers, and every other type of peripheral. Buying a customized system will keep you from being forced to buy hardware you already own. But if you need a particular peripheral, does it make sense to purchase it bundled with your new system?

That depends. Here are some guidelines.

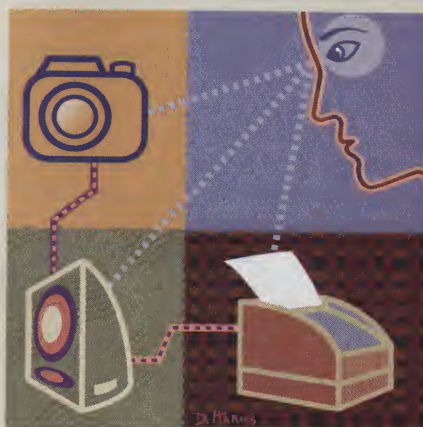
Pros: Since the components were chosen by the vendor to be bundled with their system, you know they'll be compatible, and any necessary software may even be preinstalled. When you buy peripherals individually, you take your chances with compatibility, and installation

can be a hassle. What's more, if you order several devices individually, the shipping costs could add up.

Cons: Even if you've determined that a particular PC vendor makes great computers, that doesn't mean the peripherals it

chooses to bundle are the best products in their class. Do your homework on each type of peripheral. And when calculating prices, don't blithely accept the price the vendor lists as the value of a component; look around for the lowest price. Chances are you can find a better deal. Also, a third-party item purchased as

part of a package *might* be hard to return. Check the vendor's policy and compare it to that of a retail store.



The OS And the Office

PC VENDOR SITES

The Justice Department's best efforts notwithstanding, almost all new PCs run some version of Microsoft Windows. But you should make sure the model you're buying has the version of Windows that you want. You don't want to spend your first days with your new computer installing a new operating system.

Most home users should go with Windows 98 Second Edition or the newer Windows Me. They're designed to work better with a wide range of consumer peripherals such as scanners and digital cameras. Business users should opt for Windows 2000, the follow-up to NT that offers advanced stability and manageability.

As for productivity suites, almost all vendors automatically include a "free" copy of Microsoft Office or Works, or, more rarely, Corel WordPerfect Office 2000 or Lotus SmartSuite. Unfortunately for those who already own all the productivity software they need, most vendors don't let

you save money by removing these items from the package. But some don't bundle productivity suites on their corporate systems, so you may want to consider checking out the business PCs.

If you don't already have Office or Works, Office is the better choice if you want a good spreadsheet program. (Excel is much better than the Works spreadsheet.) If your real need is for word processing, however, Works is a viable option. It now includes a full version of Word, as well as the Encarta Encyclopedia, Expedia mapping software, and more.

The Corel and Lotus suites are perfectly adequate for most home users, although Microsoft Office has become the standard in the consumer and corporate worlds.

Microsoft Office Small Business should be sufficient for most personal and work-at-home needs. But if you require PowerPoint or Access, upgrade to Office Professional.

One of the biggest promotions of recent years was a substantial rebate on hardware if you signed up for Internet access. Gateway currently offers a \$400 rebate with a three-year commitment to CompuServe. Other vendors offer Internet service as part of many bundles, either themselves or through a hosting partner. Dell, for example, includes a year of DellNet by MSN access with its home systems, while Compaq's systems include a year of Compaq.Net, also powered by MSN. If you're unhappy with your current ISP, switching to your vendor's service might be a worthwhile bonus. Such options generally can't be removed from the package, however, so you won't save any money by not using them.

One final cost to factor in: shipping. Free or discounted shipping is sometimes available

as part of a limited-time deal. For something as heavy as a desktop computer system, shipping can be pricey, so bear this in mind.

HELP! I NEED SOMEBODY

Another way in which the Web makes owning a computer easier is online support. When contemplating buying a computer online, some consumers tend to be nervous in the absence of a local shop to perform repairs.

PC vendors are aware of such concerns, and many provide superb online support. Each has an extensive online knowledge library with both generic and product-specific troubleshooting information and FAQs. Comprehensive sets of documentation, drivers, and utilities are available for download. Dell, Compaq, and IBM supple-

ment their support pages with discussion forums, and Gateway offers an option for live online chat with a techie or customer-service representative. The wealth of online resources means you should be able to solve many of your more straightforward problems without ever having to pick up the phone.

A few sites go even further. Not content to wait until you run into trouble,

Dell, Toshiba, and Compaq have proactive support-information tools—notification services that keep you apprised of the latest software updates potentially affecting your computer. Dell's FileWatch e-mails you whenever updated software for your PC model becomes available for download. Similarly, Gateway has created Gateway Update, an executable program that scans its site for any pertinent driver updates.

SEALING THE DEAL

When you browse various PC vendors' sites, keep an eye out for the types of features that are most important to you. Of course, a vendor's own recommendations and tools don't tell you much about the relative quality or reliability of its products. When picking whose PC you want to buy, there's no substitute for independent testing, reviews, and consumer surveys.

Vendor sites can, however, provide the education and steer you toward a thorough understanding of which hardware and software options will best suit your needs. This type of knowledge can be applied to any company's products, whether they're purchased directly from the vendor or from a third-party reseller.

TOSHIBA
Ask Iris Online - Your Instant Response Information Service

Ask Iris Online™ puts the experience and knowledge of Toshiba engineers and technical support staff at your fingertips! Simply ask a question, in plain English, and Iris will try to answer it using the entire Toshiba knowledge base of Product Specs, Driver and Utility info, and News and Support Bulletin.

For best results, type your question as a complete sentence and click "Ask!"
For example: "How do I install Windows NT sound drivers on my Portege 300 CT?"

How do I install BIOS updates?
Powered by Ask Jeeves™ technology.

Take a look at what other people are asking Iris!
Click on the text below to see Iris' answers.

How do I install Windows NT on my Portege 7010?

Toshiba's Ask Iris Online dishes out post-purchase support by answering plain-English questions. She's a close relative of Dell's Ask Dudley, since they're both powered by Ask Jeeves technology.

MILLENNIA® MAX XP	
DETAILS	
BUILD FROM THE GROUND UP	CONFIGURE A DREAM MACHINE
Millennia MAX XP \$1,150 900MHz processor 128MB DDR SDRAM 20GB ATA-100 hard drive 12x40 var. speed DVD-ROM 8x4x32x var. speed CD-RW Customize this machine	Millennia MAX XP \$2,288 1.2GHz processor 256MB DDR SDRAM 80GB ATA-100 hard drive 12x40 var. speed DVD-ROM 8x4x32x var. speed CD-RW Customize this machine
MILLENNIA® XV	
DETAILS	
BUILD FROM THE GROUND UP	CONFIGURE A DREAM MACHINE
Millennia XV \$699 800MHz processor 64MB SDRAM 20GB hard drive 48x var. speed CD-ROM Lexmark Z12 printer Customize this machine	Millennia XV \$1,454 1.0GHz processor 128MB SDRAM 20GB hard drive 12x40x var. speed DVD-ROM Lexmark Z12 printer Customize this machine

Micronpc.com's configurator offers two different entry-point options for each machine, speeding up the process.

Once you've sealed the deal, you'll be waiting anxiously for your new plaything (er, productivity engine) to arrive. Built-to-order systems, of course, take somewhat longer to ship than off-the-shelf models. But you can lessen your anxiety by tracking your order online, a service provided by several major PC vendors, including Compaq, Dell, and Micronpc.com. Once it arrives, your PC should be just right. And that means you won't have to worry about the Goldilocks shopping syndrome. ▼

Believe what you see.

WiseView™ digital display technology
mirrors reality perfectly.



SAMSUNG TFT-LCD

Reflect on this. Behind every great image is great technology. WiseView™ brings you the superior technology inside many of the displays, laptops, cell phones, video cameras, kiosks and PDAs you use today. With exceptional resolution, distortion-free viewing from any angle, and a wide range of screen sizes, the WiseView™ brand has become the #1 TFT-LCD choice of the top respected name manufacturers.

The TFT-LCD you choose does make a difference. Believe what you see. Now you can count on WiseView™ from Samsung for reliability and innovation in every TFT-LCD visual display. Look for the WiseView™ logo, your assurance of the highest quality in digital displays. Trust WiseView™ to mirror your reality.

For more information, visit us at
www.samsungTFTLCD.com.

SAMSUNG
ELECTRONICS

DIGITAL
WALLETS 

Web Wallets Make Shopping Simple

Love online shopping,
but hate the endless data entry?
Try a digital wallet.

BY ELAINE X. GRANT

It's been more than 50 years since Diners Club introduced the concept of billing cardholders monthly or annually for purchases made at participating merchants. It was a great idea, but credit cards have lost much of their convenience in the digital age. The tedious and repetitive data entry—credit-card number, billing and shipping address—can be a real drag for the frequent online buyer.

And the number of frequent online buyers is growing, if data from market-research firms are any indication. Consumers spent \$10.8 billion online last holiday season, up 54 percent over the same period in 1999 and 126 percent over 1998, according to Jupiter Research. NPD Group and Forrester Research report even higher online sales for the 2000 holiday season—\$12.2 billion and \$12.5 billion, respectively. This year, the figure should grow to \$66 billion, and by next year it could reach \$100 billion, according to eMarketer.

Digital wallets, or e-wallets, were created with the frequent

online shopper in mind. As its name implies, a digital wallet (not to be confused with the Digital Wallet portable storage device for digital cameras) is a file that holds your name, credit-card numbers, shipping and mailing addresses, an electronic ID equivalent to a signature, and any other pertinent information. But unlike their physical counterparts, digital wallets are free. Once you've downloaded one and you're ready to make a purchase, just indicate which card and shipping address you'd like to use, and the information is encrypted and transmitted to the vendor.

"Digital wallets make all your personal information available with one click, so you don't have to do all the form filling," says Seth Geiger, vice president of professional services at online retail mall BizRate.com. Many also let you track orders and store multiple user IDs and passwords to streamline the process of online shopping across multiple sites. Some notify you of special offers, search for specific products, and store personal information and shopping preferences; others offer automatic login on multiple sites. The information digital wallets send is encrypted,

(continued on page 140)

FEEL LIKE A KID IN A CANDY STORE.

GRAB AHOLD OF EVERYTHING YOUR BUSINESS DEMANDS –
PRICED RIGHT AND READY TO WORK.



IBM ThinkPad i Series

Affordable
Mobile Intel® Celeron™ processor 600MHz²
12.1" SVGA TFT display
64MB SDRAM • 10GB³ HDD
24X-10X⁴ CD-ROM
Integrated 56K⁵ V.90 modem
Integrated SMI LynxEM+ graphics
SoundBlaster Pro audio
Microsoft® Windows® Millennium Edition
ThinkPad Button • 5.9 lbs.* travel weight
Part #116142U



IBM ThinkPad X21

Ultraportable
Mobile Intel Pentium® III processor 600MHz
featuring Intel SpeedStep™ technology
12.1" SVGA TFT display
64MB SDRAM • 10GB upgradable HDD
Mini PCI 56K V.90 modem
4MB SDRAM ATI Rage Mobility M graphics
Windows 98 Second Edition
Lotus® SmartSuite® Millennium Edition¹⁰
3.5-hour¹¹ Li-Ion battery • Titanium Composite cover¹²
ThinkPad Button • 3.5 lbs. travel weight
Part #266221U



IBM ThinkPad T22

Performance and portability
Mobile Pentium III processor 900MHz
featuring Intel SpeedStep technology
14.1" XGA TFT display
128MB SDRAM • 20GB upgradable HDD
Ultrabay™ 2000 8X-2X DVD-ROM
Mini PCI 10/100 Ethernet adapter with 56K V.90 modem
8MB SGRAM Savage IX8 graphics
Windows 98 Second Edition
Lotus SmartSuite Millennium Edition
3.5-hour Li-Ion battery • Titanium Composite cover
ThinkPad Button • 4.7 lbs. travel weight
Part #26474CU

Don't see Microsoft Office 2000 Small Business on your system?
Ask for Part #22P6767 and we'll add it for an additional cost.

\$1,149⁷

SuccessLease™
for Small Business **\$41/MO.⁸, 36 MOS.**

SWAPPABLE OPTIONS:

64MB SDRAM Upgrade
(Part #20L0254) \$65 or \$2/month
128MB SDRAM Upgrade
(Part #20L0255) \$119 or \$4/month
ThinkPad i Series Carrying Case⁹
(Part #00N7382) \$99.99 or \$4/month

\$2,849

SuccessLease
for Small Business **\$101/MO.⁸, 36 MOS.**

SWAPPABLE OPTIONS:

UltraBase™ X2 Media Slice for X Series
(Part #08N1180) \$199 or \$7/month
IBM 1GB Microdrive
(Part #07N5574) \$479 or \$17/month
HP DeskJet 350C Portable Printer
(Part #19K5690) \$279.99 or \$10/month

\$3,149

SuccessLease
for Small Business **\$104/MO.⁸, 36 MOS.**

SWAPPABLE OPTIONS:

ThinkPad T22 Carrying Case⁹
(Part #00N9820) \$99.99 or \$4/month
ThinkPad Port Replicator
(Part #02K8667) \$149 or \$5/month
IBM 8MB USB Memory Key
(Part #19K4513) \$49 or \$2/month

IBM recommends Windows 2000 Professional for business.

An IBM price advantage for small business

¹Configurability on select NetVista A20m models only. ²MHz/GHz only measures microprocessor internal clock speed; many factors affect application performance. For mobile Intel Pentium III processors featuring SpeedStep technology, this denotes maximum performance mode; battery optimization mode is approximately 80% of maximum performance mode. ³GB equals one billion bytes when referring to storage capacity; accessible capacity may be less. ⁴CD-RW, DVD-ROM and CD-ROM drives list a variable read rate. CD-RW write and re-write speeds vary and list only the maximum possible. Actual CD-RW, DVD-ROM and CD-ROM speeds will vary and are often less than the maximum possible. The read and write results of the CD-RW drive depend on the quality and characteristics of the CD-R and CD-RW media used. Poor results may be obtained with some media suppliers. ⁵Designed to be capable of receiving at up to 56Kbps with compatible phone line and server equipment, and transmitting at up to 31.2Kbps. Public networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible. ⁶Includes battery and optional travel bezel instead of standard optical drive in Ultrabay 2000, if applicable; weight may vary due to vendor components, manufacturing process and options. ⁷Pricing shown is price available from IBM directly; reseller prices may vary. IBM price does not include tax or shipping and is subject to change without notice. ⁸SuccessLease is offered and administered in the US, Canada and other countries by third-party providers of business financing approved by IBM Global Financing. SuccessLease terms and conditions provided by the third party. Featured monthly lease payments are based on a 36-month term with prespecified purchase option at the end of lease, to qualified business customers only, installing in the US. A documentation fee and first month's payment due at lease signing. Any taxes are additional. Other lease terms and structures are available. Offer may be withdrawn or changed without notice. Options listed cannot be leased separately from system unit. ⁹This product is manufactured for and distributed and sold by Port/Targus. IBM, the IBM logo and IBM trade dress are owned by International Business Machines Corporation and are used under license from IBM. IBM does not manufacture this product and provides no warranty or support for this product. Please contact Port/Targus for all questions/comments and service or support related to this product. ¹⁰Some software may differ from its retail version (if available), and may not include user manuals or all program functionality. For non-IBM software, applicable third-party licenses may apply. Warranty, service and support for non-IBM products, if any, are provided by third parties, not IBM. IBM makes no representations or warranties regarding non-IBM

Feast your eyes on the tremendous value you'll find across an impressive range of IBM e-business tools. There are plenty of options for a growing company looking to get connected and stay ahead, like the IBM ThinkPad® i Series notebook – the right choice for entry-level affordability. Or discover an easier way to travel with a ThinkPad X or T Series notebook, built to go the distance. Need an easy-to-use desktop? We have them, ready to go or waiting to be customized to suit the task.¹ From the built-for-business IBM NetVista™ A40 to the supercharged NetVista A60, you can match the machine to the job and pay for only what you need. For powerful servers that give small businesses a big advantage, start with an IBM xSeries server – the new standard for e-business.

But that's only part of the story. Because regardless of how affordable IBM products are, they also offer your business uncompromising innovation and superior service and support – for peace of mind you just won't find anywhere else. And since you can order direct from IBM, getting your hands on what you want has never been easier. Can't decide? Take one of each. With IBM technology at prices like these, they'll fit your budget – with change to spare.



IBM NetVista A40

Flexibility

Pentium III processor 1.0GHz
128MB RAM
20GB HDD
48X-20X CD-ROM
10/100 Ethernet
Windows 2000
15" monitor (13.8" viewable, Part #15MONW1)
3-year parts and onsite labor limited warranty²
Part #6578TAU



IBM NetVista A60

High-performance computing

Pentium 4 processor 1.30GHz
128MB PC 800 RDRAM
20GB HDD
48X-20X CD-ROM
10/100 Ethernet
32MB NVIDIA TNT2 4X AGP graphics
Windows 2000
Microsoft Office 2000 Small Business
17" monitor (15.9" viewable, Part #17MONB1)
3-year parts and onsite labor limited warranty
Part #683320U



IBM @server xSeries 200

Designed to meet the computing needs and budgets of small businesses

Pentium III processor 800MHz
64MB ECC memory std/1.5GB max¹⁵
15GB Ultra ATA-100 EIDE HDD standard¹⁶
Maximum internal storage of 145.6GB
3.5" floppy disk drive
48X-20X CD-ROM
Integrated 10/100 Ethernet
5 available slots/4 available bays
Toolless chassis
Tower design with optional 4U rack mounting
3-year parts and onsite labor limited warranty
Part #847841X

Don't see Microsoft Office 2000 Small Business on your system?
Ask for Part #22P6767 and we'll add it for an additional cost.

\$1,499

SuccessLease
for Small Business **\$53/MO.**, 36 MOS.

CUSTOMIZE YOURS:

HP OfficeJet T45 All-in-One
(Part #01N1369) \$299.99 or \$11/month
UMAX 3400 Flatbed Scanner
(Part #19K4199) \$79.99 or \$3/month
HP DeskJet 932C Color Printer
(Part #01N1364) \$199.99 or \$7/month

\$1,599

SuccessLease
for Small Business **\$56/MO.**, 36 MOS.

CUSTOMIZE YOURS:

Lexmark Z32 Color Jetprinter
(Part #22P5337) \$79.99 or \$3/month
IBM Office Professional 500 UPS⁴
(Part #10K1911) \$129.99 or \$5/month
Iomega Zip 250MB Ext. USB Drive
(Part #22P5787) \$179.99 or \$6/month

\$999

SuccessLease
for Small Business **\$35/MO.**, 36 MOS.

CUSTOMIZE YOURS:

Additional 64MB ECC SDRAM Memory
(Part #33L3079) \$59 or \$2/month
10/20GB TR5 Internal IDE Tape Drive
(Part #20L0549) \$285 or \$10/month
APC Smart-UPS 700
(Part #94G3134) \$319 or \$11/month



DIRECT TO YOU

Toll free **1 866 426-0694**

ibm.com/smallbusiness/M031

to buy direct or to locate an IBM reseller.

products. ¹These model numbers achieved a ZD BatteryMark™ Version 3.0 or 4.0 Battery Rundown Time of the times shown above. This test was performed without independent verification by ZD; ZD makes no representations or warranties as to these test results. BatteryMark™ is a trademark of ZD Inc. in the US and other countries. A description of the environment under which the test was performed is available at ibm.com/pc/www/thinkpad/batterylife.html. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning and other customer preferences. ²Titanium Composite Carbon Fiber Reinforced Plastic has three times the strength of ABS plastic as tested by IBM using the high flex modulus test on 2/28/00. Available on select models. ³For terms and conditions or copies of IBM's Statement of Limited Warranty, call 1 800 772-2227 in the US and in Canada call 1 800 426-2255. Telephone support may be subject to additional charges. For warranties including onsite labor, customer may be asked certain diagnostic questions before a technician is sent. Warranty does not include ThinkPad battery, which is covered by a separate, one-year limited warranty. ⁴This product is distributed and sold by Tripp Lite. IBM, the IBM logo and IBM trade dress are owned by International Business Machines Corporation and are used under a license from IBM. IBM does not manufacture this product and provides no warranty or support for this product. Please contact Tripp Lite at 1 800 420-9764 for all questions/comments and service or support related to this product. ⁵Maximum memory may require the replacement of standard memory with optional maximum memory module. ⁶Maximum internal hard disk drive capacity assumes the replacement of any standard hard disk drives and the population of all hard disk drive bays with the largest currently supported drives available from IBM. IBM reserves the right to alter product offerings and specifications at any time, without notice. SuccessLease and all IBM product names are registered trademarks or trademarks of International Business Machines Corporation. Lotus and SmartSuite are registered trademarks of Lotus Development Corporation, an IBM company. Intel, the Intel Inside logo and Pentium are registered trademarks and Celeron and SpeedStep are trademarks of Intel Corporation. Microsoft and Windows are registered trademarks of Microsoft Corporation. Other company, product and service names may be trademarks or service marks of others. ©2001 IBM Corp. All rights reserved.



iBUYPOWER
It's Not A Great Buy
It's The "Best Buy"



\$2395

NIGHT DREAMER



- AMD DDR UDMA-100 4x AGP MB
- 256MB PC2100 SDRAM
- Black Hydraulic 300 Watt ATX Mid-Tower Case
- 60 GB 7200 rpm Ultra DMA-100 HDD
- Black 19" SVGA Monitor, 26mm
- 16x DVD-ROM Drive
- 16x10x40 Plextor CD-Rewritable Drive
- Microsoft Optical Explorer Mouse
- Black PS2 Win98 Keyboard
- IEEE-1394 Fire Wire 3 Ports w/software & cable
- 3COM USR 56K V.90 Hardware Modem w/Voice
- NVIDIA GeForce-2 GTS 32MB 4X AGP
- Creative Lab Sound Blaster Live! X-Gamer
- Black ALTEC LANSING ACS54 Speakers
- MS Windows ME (Millennium) Edition
- Free COREL Office 2000 & Norton 2001
- Free One Year On-Site Warranty

AMD ATHLON 1GHZ	\$2395	(nisp041)
AMD ATHLON 1.1GHZ	\$2409	(nisp042)
AMD ATHLON 1.2GHZ	\$2439	(nisp043)
AMD ATHLON 1.3GHZ	\$2469	(nisp044)
AMD ATHLON 1.4GHZ	\$2519	(nisp045)

BARGAIN AMD

- 64MB SDRAM
- upgrade: 128MB PC133 SDRAM @ \$29
- 20GB Ultra DMA Hard Drive
- upgrade: 20GB Ultra DMA-100 Hard Drive @ \$29
- 52x CD-ROM Drive
- upgrade: 16x DVD-ROM @ \$45
- Integrated 8M Video & 3D Sound
- 56K V.90 Fax/Modem & 10/100 Ethernet
- 120 Watt PMPO Stereo Speakers
- Win98 Keyboard & Scrolling Internet Mouse
- Free One Year On-Site Service
- 3-Year Limited Warranty
- MS Windows ME CD & Manual - add \$89
- 17" Digital SVGA Monitor, 27mm - add \$159
- 100MB Internal ZIP Drive - add \$49
- IEEE-1394 Fire Wire w/software & cable - add \$39

AMD K6-2 3D NOW! 500	\$399	(bgsp051)
AMD K6-2 3D NOW! 550	\$419	(bgsp052)
AMD DURON 750	\$405	(bgsp053)
AMD DURON 800	\$419	(bgsp054)
AMD DURON 850	\$439	(bgsp055)
AMD DURON 900	\$469	(bgsp056)

AMD BEST BUY

- VIA KT-133A 4x AGP MB
- 128MB PC133 SDRAM
- 52x CREATIVE LAB CD-ROM Drive
- upgrade: 16x DVD-ROM @ \$43
- upgrade: 10x4x32 CD-Rewritable @ \$79
- 30GB Ultra DMA-100 Hard Drive
- 17" Digital SVGA Monitor, 27mm
- upgrade: 19" Digital SVGA Monitor, 26mm @ \$89
- 56K V.90 Fax/Modem w/Voice
- NVIDIA RIVA TNT2 M64 32M Video
- AC97 Stereo 3D Sound
- upgrade: Sound Blaster Live! Value @ \$49
- PS2 Win98 Keyboard & Scrolling Internet Mouse
- MS Windows ME (Millennium) Edition
- 120 Watt Stereo Speaker System
- upgrade: Altec Lansing ACS33 Speakers @ \$39
- Free COREL Office 2000 & Norton 2001 CD
- Free One Year On-Site Service

AMD DURON 800	\$749	(abbsp051)
AMD DURON 850	\$765	(abbsp052)
AMD DURON 900	\$789	(abbsp053)
AMD ATHLON 900	\$799	(abbsp054)
AMD ATHLON 1GHZ	\$829	(abbsp055)
AMD ATHLON 1.1GHZ	\$855	(abbsp056)
AMD ATHLON 1.2GHZ	\$919	(abbsp057)

ATHLON SPECIAL

- VIA KT-133A 4x AGP MB
- 128MB PC133 SDRAM
- upgrade: 256MB PC133 SDRAM @ \$59
- 30GB Ultra DMA-100 Hard Drive
- upgrade: 40GB Ultra DMA-100 HD @ \$25
- 16x DVD-ROM Drive
- 17" Digital SVGA Monitor, 27mm
- ZOOM 56K V.90 Modem w/Voice
- NVIDIA GeForce-2 MX 32MB 4x AGP
- AC97 Stereo 3D Sound
- upgrade: Montego II Quadzilla Digital Sound @ \$29
- PS2 Win98 Keyboard & Scrolling Internet Mouse
- upgrade: MS Optical Intelli-Mouse @ \$49
- MS Windows ME (Millennium) Edition
- 480 Watt PMPO Subwoofer Speakers
- Free COREL Office 2000
- Free One Year On-Site Service

AMD DURON 800	\$819	(assp051)
AMD DURON 850	\$835	(assp052)
AMD DURON 900	\$859	(assp053)
AMD ATHLON 900	\$879	(assp054)
AMD ATHLON 1G HZ	\$915	(assp055)
AMD ATHLON 1.1G HZ	\$929	(assp056)
AMD ATHLON 1.2G HZ	\$959	(assp057)

AOPEN ZONE

- AOPEN KT-133A UDMA-100 4x AGP MB w/ IEEE-1394 fire wire
- 256MB PC133 SDRAM
- 10x4x32 CD Re-Writable
- 52x CREATIVE LAB CD-ROM Drive
- 40GB Ultra DMA-100 Hard Drive
- 19" Digital SVGA Monitor, 26mm
- ZOOM 56K V.90 Modem w/Voice
- NVIDIA GeForce-2 MX 32MB 4x AGP Video
- upgrade: nVidia GeForce-2 GTS 32MB DDR @ \$105
- AC97 Stereo Sound
- upgrade: Sound Blaster Live! Value @ \$49
- PS2 Win98 Keyboard & Scrolling Internet Mouse
- MS Windows ME (Millennium) Edition
- 480 Watt Subwoofer Speaker System
- Free COREL Office 2000 & Norton 2001 CD
- Free One Year On-Site Service
- 16x DVD-ROM - add \$79
- D-Link 10/100 Network Card - add \$15

AMD ATHLON 900	\$1139	(aosp051)
AMD ATHLON 1G HZ	\$1169	(aosp052)
AMD ATHLON 1.1G HZ	\$1189	(aosp053)
AMD ATHLON 1.2G HZ	\$1225	(aosp054)
AMD ATHLON 1.3G HZ	\$1249	(aosp055)
AMD ATHLON 1.4G HZ	\$1309	(aosp056)

EDUCATION PRO

- AOPEN KT-133A UDMA-100 4x AGP MB upgrade ASUS 4x AGP MB @ \$55
- 256MB PC133 SDRAM
- 40GB Ultra DMA-100 HDD
- 19" Digital SVGA Monitor, 26mm
- 10x4x32 CD-Rewritable Drive
- upgrade: 12x8x32 CD-Writable @ \$39
- ZOOM 56K V.90 Fax/Modem w/Voice
- NVIDIA GeForce-2 GTS 32MB DDR Video
- Montego II Quadzilla Digital Sound
- upgrade: C.L. Sound Blaster Live! MP3+ @ \$79
- PS2 Win98 Keyboard & Scrolling Internet Mouse
- upgrade: MS Optical Intelli Mouse @ \$49
- 600 Watt PMPO Flat Panel Speaker System
- upgrade: Altec Lansing ACS54 Speakers @ \$19
- MS Windows ME (Millennium) Edition
- Free Corel Office 2000
- Free One Year On-Site Warranty
- 16x DVD-ROM - add \$79

AMD ATHLON 900	\$1189	(btssp051)
AMD ATHLON 1G HZ	\$1219	(btssp052)
AMD ATHLON 1.1G HZ	\$1235	(btssp053)
AMD ATHLON 1.2G HZ	\$1269	(btssp054)
AMD ATHLON 1.3G HZ	\$1299	(btssp055)
AMD ATHLON 1.4G HZ	\$1349	(btssp056)

GAMER'S PRO

- Rating: 12345678910 best
- ABIT KT-133 Ultra DMA-100 w/ RAID MB
- 256MB PC133 SDRAM
- upgrade: 512MB(256x2) PC133 SDRAM @ \$109
- 40GB Ultra DMA-100 HDD
- upgrade: 60GB UDMA-100 HD @ \$79
- 19" Digital SVGA Monitor, 26mm
- upgrade: ViewSonic E790 SVGA 19" 22 @ \$99
- 52x Creative Lab CD-ROM
- 10x4x32 CD-Rewritable Drive
- Microsoft Intelli Mouse; PS2 Win98 Keyboard
- ZOOM 56K V.90 Modem w/Voice
- ATI RADEON 32MB DDR 4x AGP Graphics
- upgrade: ATI Radeon 64MB DDR w/VIVO @ \$129
- Creative Lab Sound Blaster Live! Value
- ALTEC LANSING ACS54 5 pcs Speakers
- MS Windows ME (Millennium) Edition
- Free Corel Office 2000
- Free One Year On-Site Warranty

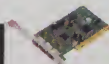
AMD ATHLON 900	\$1249	(gpsp051)
AMD ATHLON 1G HZ	\$1279	(gpsp052)
AMD ATHLON 1.1G HZ	\$1299	(gpsp053)
AMD ATHLON 1.2G HZ	\$1329	(gpsp054)
AMD ATHLON 1.3G HZ	\$1359	(gpsp055)
AMD ATHLON 1.4G HZ	\$1409	(gpsp056)

GAMER'S DREAM

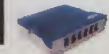
- ASUS UDMA-100 MB or AMD DDR MB
- 256MB PC133 SDRAM
- upgrade: 128MB DDR PC2100 RAM & MB @ \$89
- 256MB DDR PC2100 RAM & MB @ \$229
- 40GB Ultra DMA-100 HDD
- 19" Digital SVGA Monitor, 26mm
- upgrade: ViewSonic E790 SVGA 22mm @ \$179
- ViewSonic Gs790 SVGA 22mm @ \$179
- 16x DVD-ROM Drive
- 12x10x32 CD-Rewritable Drive
- Microsoft Intelli Mouse & PS2 Win98 Keyboard
- ZOOM 56K V.90 Modem w/Voice
- IEEE 1394 Fire Wire 3 Ports w/ software & cable
- NVIDIA GeForce-2 GTS 32MB 4X AGP
- upgrade: C.L. Sound Blaster Live! X-Gamer @ \$59
- ALTEC LANSING ACS54 5 Pieces Speakers
- upgrade: Altec Lansing ADA305 Speakers @ \$69
- MS Windows ME (Millennium) Edition
- Free COREL Office 2000
- Free One Year On-Site Warranty

AMD ATHLON 1G HZ	\$1509	(gdsp051)
AMD ATHLON 1.1G HZ	\$1529	(gdsp052)
AMD ATHLON 1.2G HZ	\$1559	(gdsp053)
AMD ATHLON 1.3G HZ	\$1589	(gdsp054)
AMD ATHLON 1.4G HZ	\$1639	(gdsp055)

iBUYPOWER
(888)462-3899



IEEE-1394 fire wire PCI card 3-port,
400 Mbps max. transfer rate @ \$39



IEEE-1394 fire wire 6-port
repeater @ \$69



IEEE-1394 fire wire
cardbus PCMCIA
400 Mbps max.
transfer rate @ \$89



IEEE-1394 device bay, for HDD,
CD-ROM, CD-RW... @ \$109



IEEE-1394 fire box, for portable 2.5"
slim HDD @ \$99



POCKET EPC-II

- Intel Celeron 700MHz (P-III 800/933/1000MHz available)
- Intel 810E Chipset
- Built-In 56K V.90 Modem
- Built-In 10/100 Network
- 64MB SDRAM(max. 256MB)
- 10GB Hard Drive(max. 20GB)
- 4MB AGP Video Integrated
- 3D Sound Integrated
- 24x CD-ROM and Floppy Drive Included
- MS Windows ME CD
- 1-Year Limited Warranty



\$1099

HOME PC

- PROCOMP 133MHz Main Board
- 8MB AGP Video & 3D Stereo Sound
- 128MB PC133 SDRAM
- 20GB UDMA100 HDD
- 17" Digital SVGA, 27mm Monitor
- 52x CD-ROM Drive
- 56K V.90 Fax/Modem
- Network Card built-in
- Win98 Keyboard & Scrolling Internet Mouse
- 120 Watts PMPO Stereo Speakers
- Free One Year On-Site Service
- 3-Year Limited Warranty
- MS Windows ME CD - add \$99
- 100MB Internal ZIP Drive - add \$49

INTEL CELERON 700	\$ 535	(hosp051)
INTEL CELERON 766	\$ 545	(hosp052)
INTEL PENTIUM III 800	\$ 625	(hosp053)
INTEL PENTIUM III 866	\$ 635	(hosp054)
INTEL PENTIUM III 933	\$ 655	(hosp055)

\$569

WORKSTATION PC

- PROCOMP 133MHz Main Board
- 128MB PC133 SDRAM
- upgrade: 256MB PC133 SDRAM @ \$59
- 20GB Ultra DMA100 Hard Drive
- upgrade: 30GB Ultra DMA100 Hard Drive @ \$29
- 52x CD-ROM Drive
- upgrade: 16x DVD @ \$45
- 17" Digital SVGA, 27mm Monitor
- ATI Xpert 98 8MB DVD Ready Graphics
- upgrade: ATI Xpert 2000 AGP 32MB @ \$45
- D-Link Ethernet 10/100 PCI Network Card
- upgrade: 3COM 10/100 Ethernet Card @ \$35
- Win98 Keyboard & Scrolling Internet Mouse
- Free One Year On-Site Service
- 3-Year Limited Warranty
- MS Windows ME CD & Manual - add \$89
- 100MB Internal ZIP Drive - add \$49
- 56K V.90 Fax/Modem - add \$19
- PROCOMP IEEE 1394 Fire Wire PCI - add \$39

INTEL CELERON 700	\$ 569	(wosp051)
INTEL CELERON 766	\$ 579	(wosp052)
INTEL PENTIUM III 800	\$ 659	(wosp053)
INTEL PENTIUM III 866	\$ 669	(wosp054)
INTEL PENTIUM III 933	\$ 689	(wosp055)

\$919

POWER SPECIAL

- VIA KT-133A 4x AGP MB
- 30GB Ultra DMA 100 HDD
- 128MB PC133 SDRAM
- upgrade: 256MB PC133 SDRAM @ \$59
- 17" Digital SVGA Monitor, 27mm
- 16x DVD-ROM
- ZOOM 56K V.90 Fax/Modem w/Voice
- ATI Xpert 2000 32MB AGP Graphics
- upgrade: GeForce-2 MX 32MB @ \$39
- AC97 Stereo Sound
- upgrade: C.L. Sound Blaster Live! Value @ \$49
- PS2 Win98 Keyboard & Scrolling Internet Mouse
- MS Windows ME (Millennium) Edition
- 600 Watt PMPO Flat Panel Speaker System
- Free Corel Office 2000
- Free One Year On-Site Warranty
- 10x4x32 CDRW - add \$129

AMD ATHLON 1GHZ	\$ 919	(pssp051)
AMD ATHLON 1.1GHZ	\$ 939	(pssp052)
AMD ATHLON 1.2GHZ	\$ 969	(pssp053)
AMD ATHLON 1.3GHZ	\$ 999	(pssp054)
INTEL PENTIUM III 866	\$ 935	(pssp055)
INTEL PENTIUM III 933	\$ 955	(pssp056)
INTEL PENTIUM III 1GHZ	\$ 979	(pssp057)



Best Buy Award - Feb 2001, Computer Buyer's Guide & Handbook
"With an extremely powerful processor and video card, it is a aimed primary at gamers and performance enthusiasts."



Best Buy Award - Jan 2001, Computer Buyer's Guide & Handbook
"Blazing video performance, a decked out example of a no-holds-barred performance oriented system."

Best Buy Award - Sep 2000, Computer Buyer's Guide & Handbook
"Incredible, a nice compromise between cost and all-out performance."

Editor's Choice - Apr 2000, PC Gamer magazine
"Super fast, stable, nice price for a high end system."

@ got it.

Why Wait?
WE SHIP OUT WITHIN 24 HRS
(on selected models; Mon. - Fri. only)

\$769

POWER BEST BUY

- VIA KT-133A 4x AGP MB
- 128MB PC133 SDRAM
- 52x CREATIVE LAB CD-ROM Drive
- upgrade: 16x DVD-ROM @ \$43
- upgrade: 10x4x32 CD-Rewritable @ \$79
- 30GB Ultra DMA-100 Hard Drive
- 17" Digital SVGA, 27mm Monitor
- 56K V.90 Fax/Modem w/Voice
- ATI Xpert 98 AGP 8MB DVD Ready Graphics
- upgrade: NVIDIA RIVA TNT2 M64 32M @ \$29
- AC97 Stereo Sound
- upgrade: Sound Blaster Live! Value @ \$49
- PS2 Win98 Keyboard & Scrolling Internet Mouse
- MS Windows ME (Millennium) Edition
- 120 Watt Stereo Speaker System
- upgrade: Altec Lansing ACS33 Speakers @ \$39
- Free COREL Office 2000
- Free One Year On-Site Service

AMD ATHLON 900	\$ 769	(pbsp051)
AMD ATHLON 1GHZ	\$ 799	(pbsp052)
AMD ATHLON 1.1GHZ	\$ 819	(pbsp053)
AMD ATHLON 1.2GHZ	\$ 849	(pbsp054)
INTEL PENTIUM III 800	\$ 809	(pbsp055)
INTEL PENTIUM III 866	\$ 819	(pbsp056)
INTEL PENTIUM III 933	\$ 839	(pbsp057)

\$839

VALUE PERFORMER

- VIA KT-133A 4x AGP MB
- 128MB PC133 SDRAM
- 52x CREATIVE LAB CD-ROM Drive
- upgrade: 10x4x32 CDRW Drive @ \$99
- 30GB Ultra DMA-100 Hard Drive
- 17" Digital SVGA Monitor, 27mm
- ZOOM 56K V.90 Modem w/Voice
- NVIDIA RIVA TNT-2 M64 32MB 4x AGP Video
- upgrade: Nvidia Geforce-2 MX 32MB @ \$45
- AC97 Stereo Sound
- upgrade: Turtle Beach Quadzilla A3D Digital @ \$29
- PS2 Win98 Keyboard & Scrolling Internet Mouse
- MS Windows ME (Millennium) Edition
- 480 Watt Subwoofer Speaker System
- upgrade: Flat Panel Subwoofer Speakers @ \$29
- Free COREL Office 2000 & Norton 2001 CD
- Free One Year On-Site Service
- 100MB Internal ZIP Drive - add \$49

AMD ATHLON 1GHZ	\$ 839	(vasp051)
AMD ATHLON 1.1GHZ	\$ 859	(vasp052)
AMD ATHLON 1.2GHZ	\$ 895	(vasp053)
INTEL PENTIUM III 866	\$ 865	(vasp054)
INTEL PENTIUM III 933	\$ 885	(vasp055)
INTEL PENTIUM III 1GHZ	\$ 915	(vasp046)

\$1309

DREAM 2001

- AOPEN KT-133A UDMA-100 4x AGP MB
- 128MB PC133 SDRAM
- 40GB Ultra DMA-100 Hard Drive
- upgrade: 10x4x32 CD-Rewritable & 16x DVD-ROM Drive
- 19" Digital SVGA Monitor, 26mm
- ZOOM 56K V.90 Modem w/Voice
- NVIDIA GeForce-2 GTS DDR 32MB 4x AGP
- upgrade: Creative Lab Sound Blaster Live! Value
- upgrade: Sound Blaster Live MP3+ 5.1 @ \$59
- IEEE-1394 Fire Wire 3 Ports w/ software & cable
- PS2 Win98 Keyboard & Scrolling Internet Mouse
- upgrade: MS Optical Intelli-Mouse @ \$49
- MS Windows ME (Millennium) Edition
- ALTEC LANSING ACS54 5 Pieces Speakers
- Free COREL Office 2000 & Norton 2001 CD
- Free One Year On-Site Service

AMD ATHLON 1G HZ	\$ 1309	(drsp051)
AMD ATHLON 1.1G HZ	\$ 1329	(drsp052)
AMD ATHLON 1.2G HZ	\$ 1369	(drsp053)
AMD ATHLON 1.3G HZ	\$ 1389	(drsp054)
AMD ATHLON 1.4G HZ	\$ 1449	(drsp055)
INTEL PENTIUM III 866	\$ 1309	(drsp056)
INTEL PENTIUM III 1G HZ	\$ 1359	(drsp057)

\$1035

BACK TO SCHOOL

- KT-133A Chipset or Intel 815 Chipset MB
- upgrade ASUS 4x AGP MB @ \$55
- 128MB PC133 SDRAM
- 30GB Ultra DMA 100 HDD
- 19" Digital SVGA Monitor, 26mm
- 10x4x32 CD-Rewritable Drive
- ZOOM 56K V.90 Fax/Modem w/Voice
- NVIDIA GeForce-2 MX 32MB Video
- AC97 Stereo 3D Sound
- upgrade: C.L. Sound Blaster Live! Value @ \$49
- PS2 Win98 Keyboard & Scrolling Internet Mouse
- upgrade: MS Optical Intelli Mouse @ \$49
- 600 Watt PMPO Flat Panel Speaker System
- upgrade: Altec Lansing ACS54 Speakers @ \$19
- MS Windows ME (Millennium) Edition
- Free Corel Office 2000
- Free One Year On-Site Warranty
- 16x DVD-ROM - add \$79

AMD ATHLON 1GHZ	\$ 1035	(btssp051)
AMD ATHLON 1.1GHZ	\$ 1055	(btssp052)
AMD ATHLON 1.2GHZ	\$ 1089	(btssp053)
AMD ATHLON 1.3GHZ	\$ 1115	(btssp054)
INTEL PENTIUM III 866	\$ 1055	(btssp055)
INTEL PENTIUM III 933	\$ 1075	(btssp056)
INTEL PENTIUM III 1GHZ	\$ 1099	(btssp057)

\$1305

DVD - DDR

- DDR UDMA-100 4x AGP MB
- 128MB DDR SDRAM
- upgrade: 256MB DDR SDRAM @ \$200
- 40GB Ultra DMA-100 HDD
- 19" Digital SVGA Monitor, 26mm
- upgrade: VIEWSONIC E790 19" 22 @ \$99
- 16 DVD-ROM
- 10x4x32 CD-Rewritable Drive
- PS/2 Mouse; PS2 Win98 Keyboard
- ZOOM 56K V.90 Modem w/Voice
- ATI RADEON 32MB DDR 4x AGP Graphics
- upgrade: ATI Radeon 64MB DDR w/VIVO @ \$129
- ALTEC LANSING ACS54 5 pcs Speakers
- Creative Lab Sound Blaster Live! Value
- MS Windows ME (Millennium) Edition
- Free Corel Office 2000
- Free One Year On-Site Warranty

AMD ATHLON 1GHZ	\$ 1305	(dvds051)
AMD ATHLON 1.1GHZ	\$ 1325	(dvds052)
AMD ATHLON 1.2GHZ	\$ 1355	(dvds053)
AMD ATHLON 1.3GHZ	\$ 1379	(dvds054)
INTEL PENTIUM III 866	\$ 1279	(dvds055)
INTEL PENTIUM III 933	\$ 1299	(dvds056)
INTEL PENTIUM III 1GHZ	\$ 1329	(dvds057)

\$1459

PENTIUM 4 SUPREME

- INTEL Chipset Pentium 4 MB with ATX Case
- 128 MB PC800 RDRAM Memory
- 40GB Ultra DMA-100 HDD
- 52x CD-ROM Creative Lab
- 10x4x32 CD-Writable
- 17" Digital SVGA Monitor, 26mm
- upgrade: 19" Digital SVGA Monitor, 26mm @ \$89
- PS/2 Mouse & Win98 Keyboard
- ZOOM 56K V.90 Modem w/Voice
- NVIDIA GeForce-2 MX 32MB 4x AGP
- upgrade: ATI RADEON 32MB DDR @ \$49
- AC-97 3D STEREO SOUND
- upgrade: C.L. Sound Blaster Live Value @ \$49
- 480 Watt PMPO Subwoofer Speaker System
- upgrade: Flat Panel Subwoofer Speakers @ \$29
- MS Windows ME (Millennium) Edition
- Free COREL Office 2000
- Free One Year On-Site Warranty
- 100MB Internal ZIP Drive - add \$49

INTEL PENTIUM 4 1.3GHZ	\$ 1459	(p4sp051)
INTEL PENTIUM 4 1.4GHZ	\$ 1539	(p4sp052)
INTEL PENTIUM 4 1.5GHZ	\$ 1719	(p4sp053)
INTEL PENTIUM 4 1.7GHZ	\$ 1969	(p4sp054)

Fire wire feel the fire
PROCOMP
www.procomp.com.tw



www.IBUYPOWER.com
24/7 Tech Support
(877)857-7865
(888)462-3899
Sales Hour: Mon ~ Fri 7:30AM-6:00PM, Sat 10AM-3PM PST
602 Monterey Pass Rd., Monterey Park, CA 91754 Tel: (626) 281-8262 Fax: (626) 281-0767 All prices effective on Apr. 25, 2001

Price, Specification and terms are subject to change without notice. Picture may differ from actual products. We are not responsible for errors in typography and/or photography. 30-day money back guarantee does not include opened software, parts, or special order merchandise. Original shipping and handling fee along with return shipping charge are non-refundable. Products returned after 30 days or in a non-refundable condition are subject to a restocking fee. Intel, the Intel Inside Logo and Pentium are registered trademarks. Pentium and Celeron are trademarks of Intel Corporation. All other brands and products name are trademark or registered trademarks of their respective companies. * 3 year limited warranty includes 3 years labor and 1 year parts only.

(continued from page 134)

and many enhance your protection by eliminating your liability for fraudulent purchases.

Despite this ringing endorsement, digital wallets have been slow to catch on. Although 67 percent of online shoppers have heard of digital wallets, only 15 percent have used them, according to a

DIGITAL WALLETS

third party," says Geiger.

Another hurdle is ease of use—or lack thereof. Not all digital wallets offer one-click checkout on merchant sites. Integrated e-wallets, such as those from Yahoo and Microsoft, offer this capability, but Yahoo's version confines you to its own shopping portal, and Microsoft's is currently integrated at only about 70 sites. If you want to shop elsewhere with these wallets, you have to drag and drop their data into forms.

Other e-wallets, such as those from The Brodia Group and Gator.com, are integrated with only a few sites. Some, such as QWallet, aren't integrated at all and rely solely on drag-and-drop technology. Most sites, however, are compatible with at least one digital wallet. "For the most part, these things are pretty ubiquitous," says Geiger, who sees a trend toward a more integrated wallet.

SHOPPING FOR A WALLET

Perhaps the biggest of the digital wallets is Yahoo Wallet. At Yahoo's shopping portal, you can use it to buy goods from more than 12,000 merchants, including Banana Republic, Barnes & Noble, Clinique, Costco, Dell,

JCPenney, and Macys.com.

To sign up, go to www.yahoo.com and click Yahoo Shopping, then Wallet. Yahoo asks for a Yahoo ID and password (you can sign up if you don't already have one), your shopping preferences, and an additional password Yahoo calls a "security key."

If you forget your key, you can apply for a temporary one by entering your e-mail address, birth date, ZIP code, country, and the answer to the secret question you selected when you signed up. (Name of your first pet? Favorite city? Name of street where you were raised?) Yahoo then e-mails a new, one-time-use key that gets you into the system to choose a new key. As an added security measure, if you leave your terminal without signing out, the security key times out after an hour and prompts you to reenter it.

Yahoo Wallet stores all the usual credit cards—Visa, MasterCard, Discover, and American Express—as well as Visa and MasterCard debit cards. You can't use every card at every merchant, however; each site has its own rules about which cards it accepts.

WHERE DO YOU WANT TO SHOP TODAY?

A thinner wallet, in terms of the number of participating merchants, is Microsoft

Yahoo Wallet saves your information securely for later use.

recent BizRate.com study. And of that 15 percent, only 25 percent use them frequently, half use them only occasionally, and 25 percent no longer use them at all. Put another way, just 3.75 percent of online shoppers frequently use digital wallets. Why the reluctance? "It's mainly a matter of consumers getting over the hurdle of providing key information to a

Now in a Handy Travel Size

You wouldn't think of leaving for a trip without your wallet. Now you don't have to leave your e-wallet behind, either. When the urge to shop strikes, all you have to do is whip out your wireless handheld device or Web-enabled cell phone. When it's time to check out, you're a tap or two away from completing your purchase.

If you're an AT&T Digital PocketNet subscriber, you can make purchases with your phone using the Qpass eWallet. Like the desktop version, Qpass eWallet stores multiple credit-card numbers and shipping addresses.

At press time, Brokat Technologies (www.brokat.com) had announced it would make its Mobile Wallet available early this year. In addition to storing credit-card and contact information, Brokat also stores personal information such as frequent-flyer numbers and clothing sizes. To use the Mobile Wallet, just enter a name and password, and the software automatically populates online forms. It works with all cell phones and wireless PDAs, and supports credit cards, debit cards, and micropayments. (Micropayments are payments of less than a few

dollars. See the sidebar "Miniwallets for Micropayments.")

Also in the works is a portable digital wallet from Aether Systems (www.aethersystems.com). The wallet, designed for

PDAs, mobile phones, and pagers, also lets you access your financial accounts and receive person-to-person electronic payments via a couple of other Aether products.

Even Palm is reaching into wallets. But instead of letting you make online purchases, Palm's eWallet serves as an actual wallet replacement at brick-and-mortar stores. Just point your Palm's infrared beam at a specially equipped checkout terminal, click a shortcut key to activate the eWallet, select a credit card, and enter a PIN. The terminal sends the information to the merchant and provides you with a virtual receipt in addition to the printed

one the merchant gives you. Palm hopes to offer the capability nationwide by the end of the year. Partners include Ingenico, VeriFone, and Visa.



**DIGITAL
WALLETS**

Passport, downloadable from memberservices.passport.com. Unlike Yahoo Wallet, you can use Microsoft Passport right at participating merchants' sites using a single name and password. At press time, participating merchants included 1-800-Flowers.com, Buy.com, Expedia, Godiva, RadioShack, Victoria's Secret, and Wine.com. Microsoft provides a long list of future participants at its site but no time frame for their participation.

Like Yahoo Wallet, Passport has a number of security measures in place. The merchant sees only the information you choose to reveal and doesn't have access to your sign-in name or password. Your e-mail address is revealed at your discretion, and only the first six digits of your credit-card number are displayed onscreen. (Yahoo displays only the last four.)

In addition, Passport blocks access to your account for a few minutes after several

credit-card numbers, mailing and shipping addresses, a shopping password, and a security question the site uses to verify your identity in case you forget your password.

OTHER WALLET MAKERS

These aren't the only e-wallets you can tuck into your virtual pocket. Other wallets offering a variety of enhanced features are also available. Qpass (www.qpass.com/consumerhome.asp), which focuses on offering archived articles from leading publications such as *The New York Times* and *The Wall Street Journal*, has approximately 60 Qpass-enabled sites to date. (See the sidebar "Miniwallets for Micropayments.")

At sites outside the Qpass network, you can use the Qpass PowerWallet, which stores not only multiple credit-card numbers and shipping addresses, but the names and passwords you use on different sites. Once you download the stand-alone application, it appears as an icon on your browser's menu bar. When you're ready to make a purchase, just click on the PowerWallet icon, and a window opens in the top left of your screen. Sign in with your username and password, select the desired credit card and shipping address, hit the fill-form button, and PowerWallet automatically populates the form. Checkout forms aren't standard across the Web, so PowerWallet may make a mistake or two, but it learns from its mistakes and will improve the next time it's faced with a similar form.

Qpass also keeps a record of your purchases. After you've completed your purchase, simply click "capture receipt," and Qpass takes a screenshot of the purchase-confirmation page, storing it in your Qpass account.

A digital wallet from Gator.com (www.gator.com) offers similar functions, holding multiple credit-card numbers and contact information, filling forms, and remembering login names and passwords. Gator.com is familiar with the forms offered on more than 10,000 Web sites, including Amazon.com, eBay, Sony, Travelocity.com, and Yahoo. If Gator.com comes across a form it doesn't recognize, just drag and drop data to the appropriate space. First USA, the largest Visa card issuer, offers a version of Gator.com called First USA eWallet.

VIRTUAL PLASTIC

To avoid being left in the digital dust, other credit-card issuers have come forward to

offer cardholders digital-wallet technology. Brodia offers its customized e-wallets through a number of banks and credit-card companies, including Aria, Capital One, Chase, Discover, MasterCard, MBNA, and Wells Fargo.

Single-click checkout using the Visa/Brodia digital wallet is available at more than 1,400 online stores, including Amazon.com, Buy.com, CarsDirect, and Office Depot. For sites that don't have single-click capability, you can drag and drop information from the e-wallet to the online

The Qpass PowerWallet fills out checkout forms at the click of a button.

form. Using ChaseCompanion (www.chasecompanion.com), Chase's version of Brodia's digital wallet, you can make one-click purchases from more than 25,000 vendors at the ChaseShop.com shopping portal. In addition to the basics, Brodia's Visa e-wallets offer reviews of online stores, comparison shopping, and customizable preferences. You can even submit product requests and sit back while merchants come to you.

MasterCard launched its version, called eWallet, last year, and plans to enhance it with password management, product research, price-comparison capability, and merchant evaluations.

American Express has its own version of a digital wallet, but it chooses to refer to the technology as "registration" for the ShopAmex site (www.shopamex.com), a shopping portal of about 50 popular vendors. In addition to the usual ID, password, "secret passphrase," and secret question and answer, American Express asks you to enter interests and shopping habits. Its Purchase Tracker stores purchases made over the past six months. You can reorder a product with a single click, save items for purchase at a later date, or search for a product using a plain-language request.

American Express also has a card, called Blue, that incorporates special features for online purchases. To use Blue, you have to sign up for the American Express Online

Microsoft Passport lets you buy chocolate in a hurry.

unsuccessful password entries. You also have to sign in again after more than a few minutes of inactivity. If you forget your password, you'll have to answer the secret question you selected during sign-up.

YOU'VE GOT A WALLET!

Because several digital wallets won't work with the AOL Web browser, AOL has its own solution—a digital wallet called Quick Checkout that you can use at any AOL partner online store, including Blockbuster, Macys.com, OfficeMax.com, PetsMart, and about 60 others. You'll find a list of stores that accept Quick Checkout at webcenter.shop.aol.com/a2z/index.adp. Oddly enough, the place you won't find any information about Quick Checkout is the AOL-member content area.

When you shop at one of these sites, you'll see the AOL Quick Checkout button on the checkout page. You enter an ID, e-mail address, and ZIP code to enter Quick Checkout registration, then enter your

Wallet and order a free USB Smart Card Reader or a \$59.95 combination keyboard/card reader from Compaq. When you shop online, you just run your Smart Chip-equipped BLUE card through the reader and enter a PIN.

FAUX WALLETS

If all you need is a place to store your credit-card numbers, frequent-flyer numbers, and URLs and passwords for all your online accounts, try QWallet (www.qwallet.com), the digital equivalent of leatherette. Two

DIGITAL WALLETS

made an online purchase in the past six months because of privacy concerns), it's no wonder digital wallets have been slow to catch on. These purchasing vehicles store even more personal information than credit cards.

IDC analyst Aaron McPherson doesn't see digital wallets becoming popular in their current form because they don't go far enough to protect online shoppers

are going to have a greater interest in protecting themselves."

To enter the mainstream, digital wallets must offer improved security. But they also must become portals through which consumers can access a range of services and incentives, including reward points for shopping online, special offers from online vendors, and even news, McPherson says.

Some digital wallets already offer some of those features. Brodia lists hundreds of special deals and lets you specify which

Miniwallets for Micropayments

Sometimes you need a digital-payment scheme not for convenience but because it's the only type of payment a site will accept. This is often the case at sites that sell real-time data feeds, electronic postage, streaming video or audio, games, MP3 files, or archived newspaper or magazine articles. With transactions this small, the 25-cent minimum fee merchants typically pay credit-card companies can be higher than the charge itself. That's why sites that sell these services may choose not to honor credit cards at all. Hence, the growing trend toward micropayment services, which charge much smaller transaction fees or none at all.

One of the more popular micropayment services is Qpass, used by sites that sell digital articles, images, and research, such as *The New York Times*, *The Wall Street Journal*, SEC Info, NHL.com, and *Consumer Reports*. Qpass charges your credit card for the transaction and stores the information in an online statement listing amounts, dates, and account balance. Qpass also offers an applet

called the Qpass PowerWallet, which prepopulates checkout forms at more traditional e-commerce sites.

Several other companies plan to offer micropayment services.

Compaq's MilliCent (www.millicent.com) is currently available only in Japan, but a North American version is promised "very shortly." Online vendors can choose to integrate the micropayment system into their sites and manage payment processing themselves, eliminating payment hosting fees. IBM recently spun off its micropayment technology as NewGenPay (www.newgenpay.com); a number of sites will begin offering the service this year.

Some online-payment methods don't involve credit at all. Popular with teenagers too young for credit are digital-cash programs such as RocketCash (www.rocketcash.com). RocketCash is essentially a debit system that stores money in a free, no-minimum-balance bank account, and dips into that account to pay for purchases. Another, InternetCash (www.internetcash.com), offers prepaid credits in denominations of \$25, \$50, and \$100 for use at more than 170 Web sites.



small screens show your address, phone number, and e-mail address (you can hide that information if you prefer), and below, a tabbed interface lets you switch between accounts.

When making an online purchase, copy and paste the pertinent information into the appropriate form. It's more cumbersome than other digital wallets, but it is a useful way to store key information, and it does cut the number of keystrokes from browse to purchase. When not using QWallet, click Hide, and it retires to the system tray.

ROOM FOR IMPROVEMENT

With consumers still leery about online credit-card purchases (65 percent of respondents to an IDC survey hadn't

from fraud. In addition, they don't offer consumers adequate incentives to use a wallet rather than just keeping account information on file with their favorite online merchants, he says.

American Express may have the answer on the security side, according to McPherson. Through its Private Payments product, American Express transmits a one-time-only transaction number to online merchants rather than sending the actual card number. This number is useless to thieves. Discover's Deskshop offers a similar service.

Stolen credit-card numbers are a valid concern, McPherson says. "We continue to see major breakdowns in security, and it's just going to get worse. Consumers

offers you'd like to see. It also offers 5 percent rebates for purchases made at certain sites. Included in Gator.com's digital wallet is OfferCompanion, which notifies you of special deals and stores them for future use. NextCard, an Internet-only credit-card company, offers a digital wallet called Concierge, which, in addition to basic wallet functions, searches 2,600 sites to find product information, merchant reviews, and the lowest prices. Concierge also lets you filter e-mail offers from merchants, get stock quotes, and search the Web.

With improved security and added features such as these, digital wallets could play an important role in online shopping's future. But they have a long way to go. ▼

ILLUSTRATION BY BEK SHAKIROV

WE MEET OR BEAT ANY AUTHORIZED DEALER'S ADVERTISED PRICE!

WWW.COMPDIRECT.COM

DBA BARNETTS COMPUTER WAREHOUSE

417 Fifth Avenue • New York, NY 10016 • Se Habla Espanol
(212) 696-4777 • FAX: (212) 683-7357

(800) 931-7070



TOSHIBA

TOSHIBA 1750
• Celeron 700 Mhz
• 64 MB Ram
• 10 Gig HD
• 13.3" TFT
• 8X DVD
• 56K Modem
\$1199



SATELLITE SERIES

1730 C 700, 64/10G, 13" DS, 24X CD, 56K.....949.
1735 C 700, 64/10G, 13" DS, 24X CD, 56K.....949.
1755 C 700, 64/10G, 13.3" TFT, 6X DVD, 56K.....1199.
2250XCD S 600, 64/6G, 13" DS, 24X CD, 56K.....999.
2805-S201C 650, 64/6G, 13.3" TFT, DVD, 56K.....1099.
2805-S202 PIII 700, 128/10G, 14.1" TFT, DVD, 56K.....1599.
2805-S301 PIII 650, 128/10G, 14.1" TFT, DVD, 56K.....1499.
2805-S302 PIII 750, 128/20G, 14.1" TFT, DVD, 56K.....1799.
2805-S401 PIII 700, 128/20G, 15" TFT, DVD, 56K.....1999.
2805-S402 PIII 850, 128/20G, 15" TFT, DVD, 56K.....2599.
4600 PIII 750, 128/20G, 14.1" TFT, 8X DVD, 56K.....1899.
4600 PIII 800, 128/20G, 14.1" TFT, 8X DVD, 56K.....2299.
4600 PIII 850, 128/20G, 15" TFT, 8X DVD, 56K.....2499.

* WIN 2000 ADD \$100

PORTEGE SERIES

3480 PIII 600, 64/12G, 11.3" TFT, 3.4lbs, 56K.....1499.
3490 PIII 700, 128/20G, 11.3" TFT, 3.4lbs, 56K.....2099.
7220CTE PIII 600, 64/12G, 13.3" TFT, 56K.....1599.

TECRA 8100/8200 SERIES

12C52 PIII 600, 64/12G, 14.1" TFT, DVD, 56K.....1699.
13CF3 PIII 650, 128/12G, 14.1" TFT, DVD, 56K.....1799.
18CF7 PIII 750, 128/12G, 14.1" TFT, DVD, 56K.....CALL
39CF7 PIII 850, 128/20G, 14.1" TFT, DVD, 56K.....CALL
8200/750 PIII 750, 128/10G, 14.1" TFT, 24XCD, 56K.....2599
8200/850 PIII 850, 128/20G, 14.1" TFT, 8X DVD, 56K.....3099



SATELLITE 2775 XDVD
• PIII 600
• 64 MB Ram
• 6 Gig HD
• 14.1" TFT Display
• DVD Rom
• 56K Modem
\$1499

COMPAQ

PRESARIO 12XL401
• C 700
• 64 MB Ram
• 15 Gig HD
• 13.3" TFT
• DVD ROM
\$1199



PRESARIO 1200 SERIES

12XL300 C 600, 64/6G, 13.3" HPA, 24X CD.....899.
12XL310 C 600, 64/6G, 12.1" TFT, DVD.....1199.
12XL326 C 600, 128/6G, 13" HPA, 24X CD.....1099.
12XL327 C 633, 64/6G, 13" HPA, 24X CD.....1199.
12XL325 PIII 650, 64/6G, 13.3" TFT, DVD.....1299.
12XL400 C 700, 64/10G, 13" HPA, CD.....1099.
12XL410 PIII 700, 128/15G, 13.3" TFT, DVD.....1599.
12XL426 C 700, 64/10G, 12.1" TFT, CD.....1299.
12XL430 PIII 750, 128/10G, 13.3" TFT, DVD.....CALL

PRESARIO 1700 SERIES (5.1 LBS.)

17XL375 P III 750, 128/20G, 14.1" TFT, DVD, 56K.....CALL
17XL465 P III 800, 128/20G, 14.1" TFT, DVD, 56K.....2099.
17XL475 P III 850, 128/30G, 14.1" TFT, DVD, 56K.....CALL

PRESARIO 1800 SERIES

1800XL280 PIII 650, 64/6G, 15" TFT, DVD, 56K.....1699.
1800XL190 PIII 700, 128/6G, 15" TFT, DVD, 56K.....1799.
1800XL380 PIII 800, 128/20G, 15" TFT, DVD, 56K.....2199.
1800XL390 PIII 850, 128/20G, 15" TFT, DVD, 56K.....CALL

PRESARIO 1400 SERIES IN BRIGHT COLORS

14XL240 C 600, 64/6G, 13" HPA, 24X CD.....899.
14XL245 C 666, 64/6G, 13.3" TFT, 8X DVD.....1099.
14XL340 C 600, 64/6G, 12.1" TFT, 8X DVD.....999.
14XL345 PIII 650, 64/10G, 13.3" TFT, 8X DVD.....CALL

ARMADA M700 SERIES

M700 PIII 650, 64/6G, 14.1" TFT, 24X CD, 56K.....2899.
M700 PIII 700, 64/12G, 14.1" TFT, DVD, 56K.....CALL



PAVILION N5240
• Celeron 700
• 128 MB Ram
• 10 Gig HD
• 13.3" Active Display
• 8X DVD
\$1499



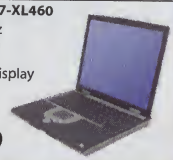
PAVILION SERIES

N5210 C 650, 64/10G, 13" HPA, 24X CD, 56K.....1099.
N5250 PIII 700, 128/10G, 13.3" TFT, 8X DVD, 56K.....1699.
N5270 PIII 700, 128/20G, 15" TFT, 8X DVD, 56K.....1999.
N5290 PIII 750, 256/20G, 15" TFT, 8X DVD, 56K.....2299.

OMNIBOOK SERIES

F2068WT K62 550, 32/5G, 12.1" HPA, 24X CD, 56K.....999.
F2119WT C 600, 64/5G, 12.1" TFT, 24X CD, 56K.....1399.
F2120WT PIII 650, 64/5G, 12.1" TFT, 24X CD, 56K.....1599.
F2116WT PIII 700, 64/10G, 14.1" TFT, DVD, 56K.....2199.
F2117WT PIII 700, 64/10G, 15" TFT, DVD, 56K.....2399.

\$1699



IBM

AUTHORIZED DEALER

THINKPAD 1211
• Celeron 550
• 32 MB Ram
• 5 Gig HD
• 12.1" HPA Display
• 24X CD Rom
• 56K Modem
\$999

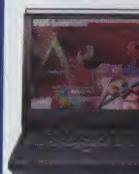


THINKPAD X20 SERIES

2662 11U C 500, 64/10G, 12.1" TFT, 56K.....1899.
2662 31U PIII 600, 128/20G, 12.1" TFT, 56K.....2599.
2662 32U PIII 600, 128/20G, 12.1" TFT, 56K.....2699.

THINKPAD T SERIES

2647 21U PIII 650, 128/6G, 13.3" TFT, 24XCD, W98.....2299.
2647 52U PIII 750, 128/20G, 14.1" TFT, DVD, W98.....2699.
2647 2AU PIII 750, 128/10G, 13.3" TFT, 8X DVD.....2499.
2647 47U PIII 800, 128/20G, 14.1" TFT, 8X DVD.....2999.
2647 57U PIII 850, 128/32G, 14.1" TFT, 8X DVD.....3499.
2647 5AU PIII 850, 128/32G, 14.1" TFT, 8X DVD.....3799.
2647 9AU PIII 850, 128/32G, 14.1" TFT, 8X DVD.....CALL



THINKPAD T 2647 41U
• PIII 700
• 128 MB Ram
• 12 Gig HD
• 14.1" Active
• 6X DVD Drive
• Win 98
• 5 lbs.
\$2199

THINKPAD i SERIES - 1200

12411 C 550, 64/5G, 12.1" TFT, 24X CD, 56K.....1099.
12511 C 550, 64/10G, 12.1" TFT, 24X CD, 56K.....1299.
12711 C 600, 64/10G, 12.1" TFT, 24X CD, 56K.....1399.
116192u PIII 700, 64/20G, 12.1" TFT, 8X DVD, 56K.....1599.
116171u C 600, 64/10G, 13.3" TFT, 8X DVD, 56K.....1599.
116162u PIII 700, 64/10G, 12.1" TFT, 8X DVD, 56K.....1699.
116142u C 600, 64/10G, 12.1" TFT, 24X CD, 56K.....1099.

THINKPAD i SERIES - 1300

13211 C 550, 64/5G, 12.1" HPA, 24X CD, 56K.....1099.
13511 C 600, 64/10G, 12.1" TFT, 8X DVD, 56K.....1299.
13611 C 600, 64/10G, 13.3" TFT, 24X CD, 56K.....1499.
13911 PIII 650, 64/20G, 13.3" TFT, 24X CD, 56K.....1999.

THINKPAD i SERIES - 1500

15421 C 500, 64/12G, 12.1" TFT, 24X CD, 56K.....1699.

THINKPAD A21M

• P III, 700Mhz
• 64 MB Ram
• 10 Gig HD
• 14.1" Active
• Color Display
• DVD
\$1899
2628 EU



THINKPAD A SERIES

2628 C1U C600, 64/10G, 12.1" TFT, 24XCD.....1299.
2628 JAU C700, 64/20G, 15" TFT, 24XCD.....1699.
2628 D1U PIII 700, 64/10G, 12.1" TFT, 24XCD.....1599.
2628 E1U PIII 700, 64/10G, 14.1" TFT, DVD.....1799.
2628 F1U PIII 750, 64/20G, 15" TFT, 24XCD.....2399.
2628 FTU PIII 750, 64/20G, 15" TFT, 24XCD.....2499.
2628 G1U PIII 800, 64/20G, 14.1" TFT, 8X DVD.....2099.
2629 H1U PIII 850, 128/32G, 15" TFT, 8X DVD.....CALL
2629 HSU PIII 850, 128/32G, 15" TFT, 8X DVD.....3799.

SONY

PCG-FX140
• PIII 700
• 128 MB Ram
• 10 Gig HD
• 14.1" Active Display
• 8X DVD
\$1799
After SONY \$100 Rebate



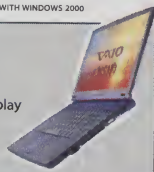
VAIO ALL IN ONE NOTEBOOK

PCG-F610 K62 550, 64/6G, 12.1" TFT, 24X CD, 56K.....999.
PCG-F630 K62 550, 64/12G, 13.3" TFT, 8X DVD, 56K.....1249.
PCG-F650 PIII 600, 64/12G, 14.1" TFT, 8X DVD, 56K.....1599.
PCG-F680 PIII 700, 64/20G, 15" TFT, 8X DVD, 56K.....1999.
PCG-F690 PIII 850, 128/30G, 15" TFT, 8X DVD, 56K.....2999.
PCG-FX120 PIII 700, 64/10G, 13" TFT, 8X DVD, 56K.....1499.
PCG-FX150 PIII 750, 128/20G, 15" TFT, 8X DVD, 56K.....2199.
PCG-FX170 PIII 800, 128/20G, 15" TFT, CDR/DVD, 56K.....2799.
PCG-FX190 PIII 850, 128/30G, 15" TFT, CDR/DVD, 56K.....CALL

VAIO PICTURE BOOK

PCG-C1VN 600MHz, 128/20G, 8.9" TFT, 56K.....CALL

* After SONY \$100 Rebate ** After SONY \$200 Rebate
MOST MODELS AVAILABLE WITH WINDOWS 2000



PCG-XG38
• PIII 700 Mhz
• 128 MB Ram
• 20 Gig HD
• 13.3" TFT Display
• 8X DVD
• 56K Modem
\$1899
After SONY \$100 Rebate

XG SERIES

PCG-XG39 PIII 850, 128/30G, 14.1" TFT, 8X DVD, 56K.....CALL
PCG-XG500 PIII 700, 128/10G, 13.3" TFT, 8X DVD, 56K.....2099.
PCG-XG700 PIII 750, 128/20G, 14.1" TFT, CDR/DVD, 56K.....CALL

VAIO SR SUPER SLIM

PCG-SR5K PIII 500, 64/9G, 10.4" TFT, 56K (3 lbs.) W2K.....1399.
PCG-SR7K PIII 600, 128/12G, 10.4" TFT, 56K (3 lbs.) W2K.....CALL
PCG-SR17K PIII 700, 128/20G, 10.4" TFT, 56K (3 lbs.) W2K.....CALL

VAIO Z505 SUPER SLIM PRO

PCG-Z505JE PIII 500, 64/9G, 12.1" TFT, 56K.....1599.
PCG-Z505JEK PIII 500, 64/9G, 12.1" TFT, 56K, WIN2000.....1699.
PCG-Z505JS PIII 650, 128/12G, 12.1" TFT, 56K.....CALL
PCG-Z505LE PIII 650, 64/12G, 10.4" TFT, 56K, WIN ME.....2149.
PCG-Z505LS PIII 750, 128/20G, 12.1" TFT, 56K, WIN ME.....CALL

DIGITAL IMAGING

Kodak

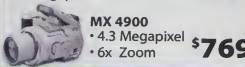
DC 4800
• 3.1 Megapixel
\$399
after \$100 rebate



DC 3400
• 2.0 Megapixel
• 2x Zoom
\$449



MX 1400
• 1.3 Megapixel • 3X Zoom
\$225



MX 4900
• 4.3 Megapixel
• 6x Zoom
\$769

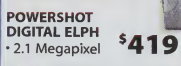


TOSHIBA

PDR-M70
• 3.3 Megapixel
• 2X Digital Zoom
\$599

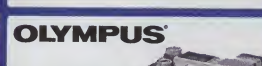


PDR-M5
• 2.3 Megapixel
• Built-in Flash
• Zoom
\$299



OLYMPUS

C-3040Z
• 3.3 Megapixel
• 2048 x 1536
• 3x Zoom
• Up to 2.5x
Digital Telephoto
• MPEG Movie Capture



OLYMPUS

Camedia E-10
• 4 Megapixel
• 4x Zoom
• F2.0 Aperture
• All aluminum body

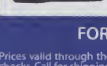


Nikon

COOLPIX 990
• 3.3 Megapixel
• 3x Zoom Lens

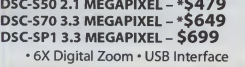


COOLPIX 880
• 3.3 Megapixel
• 2.5X Zoom



SONY

DIGITAL STILL CAMERAS
DSC-S50 2.1 MEGAPIXEL - **\$479**
DSC-S70 3.3 MEGAPIXEL - **\$649**
DSC-SPT 3.3 MEGAPIXEL - **\$699**
• 6X Digital Zoom • USB Interface
*AFTER \$50 REBATE WITH PURCHASE OF MEMORY STICK



Canon

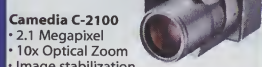
POWERSHOT DIGITAL ELPH
• 2.1 Megapixel
\$419

POWERSHOT G1
• Accepts IBM 1G Microdrive
• Optical Zoom
• 3.3 Megapixel
\$769



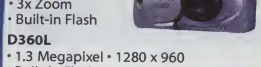
OLYMPUS

Camedia C-2100
• 2.1 Megapixel
• 10x Optical Zoom
• Image stabilization



OLYMPUS

D490
• 2.1 Megapixel
• 1796 x 1196
• 3x Zoom
• Built-in Flash



D360L
• 1.3 Megapixel • 1280 x 960
• Built-in Flash



FOR MORE INFORMATION ON ABOVE REBATES, LOG ON TO THE MANUFACTURERS WEBSITE — WWW.TOSHIBA.COM, COMPAQ.COM, IBM.COM, SONY.COM

Prices valid through the corresponding magazine issue. To order, use any major credit card, COD's, Money Orders, certified and cashiers check are welcome. Leasing programs available. Please allow 4 weeks for personal checks. Call for shipping and handling charges. All returns are subject to a minimum 10% restocking fee. Shipping and handling is not refundable. All returns must be in original mint condition with original packaging and warranty cards. Manufacturer's box must be clean of any type, writing or mutilation. No exceptions. These are phone and mail order prices only. \$400 rebates require internet sign-up for 3 years at \$21.99 per month. Due to the fluctuation in the computer industry, quantities are limited. Not responsible for typographical errors. Prices are valid until the end of monthly issue and are subject to manufacturer's price changes. Please call to check if items are in stock and reserve item with a reservation number prior to coming to the showroom. All manufacturer's discontinued products are in limited availability and may no longer be available. LIC # 0930229



TravelMate 610TXCi

ESP: \$2499

Intel® Pentium® III processor 850MHz
14.1" TFT
128MB SDRAM
20GB
DVD-RW
56K+LAN+802.11b (WLAN)
Windows® 2000 Professional
Smart Card reader built in



TravelMate 610TXVi

ESP: \$2099

Intel® Pentium® III processor 800MHz
14.1" TFT
128MB SDRAM
20GB
8x DVD
56K+LAN+802.11b (WLAN)
Windows® 2000 Professional
Smart Card reader built in



Veriton FP2-T800C Flat panel PC

ESP: \$1699

Intel® Pentium® III processor 800MHz
128MB SDRAM
20GB
24X CD-ROM
15" TFT LCD
2 Hot-swap drive bays
Windows® 2000 Professional

TravelMate 524TE

ESP: \$1399

Intel® Pentium® III processor 800MHz
13.3" TFT
64MB PC-100
10GB
24X CD-ROM
56K+LAN
Windows® Millennium or Windows® 98



Acer keeps you connected. (Securely)

The first company to bring you a laptop with biometric fingerprint security technology. The only one to offer a laptop with both 802.11b wireless and a Smart Card reader as standard features. Redefining the all-in-one PC with modular bays and removable flat panel display.

Looking for a computer from a leader?

Acer. We hear you.

Acer recommends Windows® 2000 Professional for business.
Acer PCs use genuine Microsoft® Windows®.
www.microsoft.com/piracy/howtotell

TravelMate 210T

ESP: \$1099

Intel® Celeron™ processor 700MHz
12.1" TFT
64MB PC-100
10GB HDD
NiMH Battery
Integrated V.90 ITU standard 56Kps fax/data modem
Windows® Millennium

Veriton 3200-T866A

ESP: \$922

Intel® Pentium® III processor 866MHz
128MB SDRAM
20GB
52X CD-ROM
Slim Desktop
Windows® 2000 Professional

acer
we hear you

www.acer.com 1-800-571-ACER

buy hp from hpshopping.com and save!

hp pavilion 7865 only \$1349



Get an HP Pavilion 7865 PC with an AMD® Athlon® 1.2GHz processor for only \$1349. With a 16x DVD-ROM and CD-Writer built-in, this Pavilion PC gives you awesome multi-media power. For a limited time, get a \$150 mail-in rebate* with the purchase of this PC and an FX or MX-series monitor!

**see hpshopping.com for complete details*

create your own hp pavilion pc

Finally, a PC that fits your needs! Introducing more customized HP Pavilion PCs at hpshopping.com featuring prices to fit your budget and features to fit your lifestyle. With extended warranties available, toll-free phone assistance and HP quality and reliability, these PCs are sure to cure that spring fever. Check them out at hpshopping.com!



Sample Configuration \$1,200*

- | | |
|---------------------------------|----------------------------|
| • 900MHz AMD® Athlon® processor | TNT Vanta MX Graphics Card |
| • 128MB Memory | • 12x DVD |
| • 40 GB Hard Drive | • 17" V70 monitor |
| • 16MB NVIDIA RIVA | |

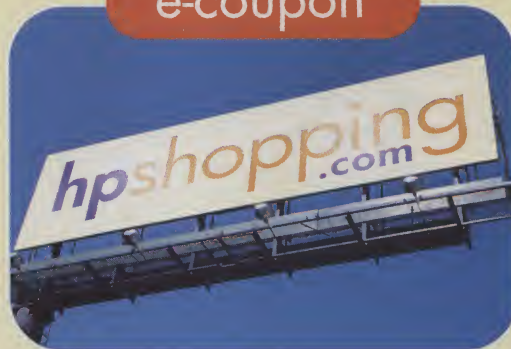
visit hpshopping.com and

take \$10 off any item over \$50

After reviewing purchases in your shopping cart, sign-in with your password. Continue to the Checkout page. **Insert coupon code SV7265.**
Coupon Expires 5/15/2001

Valid while supplies last. Valid for hpshopping.com purchases only. Not valid for Customized PC orders. Each coupon code is limited to one usage per customer. One coupon per product. Non-transferable. Offer void where prohibited, taxed or restricted by law. Not valid retroactively for previously purchased items. For complete details see Rebates/Coupons page at hpshopping.com.

e-coupon



i n v e n t

*Product and prices subject to change.

CyberPower Inc.
www.cyberpowerinc.com

www.cyberpowerinc.com

http://

AMD ATHLON SPECIAL !!!!!!!

- VIA KT133A 266 MHz FSB 4X AGP MAIN BOARD
- 256 MB PC133 SDRAM
- 40 GB Ultra DMA 100 Hard Drive
- Hercules 3D Prophet II MX Geforce-2 MX 32MB Video Card
- CREATIVE LAB 52X CD-ROM
- Creative Lab Sound Blaster Live Sound Card
- 450 Watt Subwoofer Speaker System
- 17" VIEWSONIC E70 .27MM SVGA Monitor
- ZOOM 56K V.90 Fax Modem w/ Voice
- Mitsumi 1.44 MB Floppy Drive
- PS2 Win98 Keyboard & Internet Mouse
- ATX Medium Tower Case w/ 300 Watt UL
- Microsoft Windows Millennium or 98 2nd Edition
- Corel Wordperfect Office 2000
- Special !!! 8x4x32 CD RW w/ 40 CDR Disk +\$99
- One Year On Site Service +\$29

AMD ATHLON 1.3GHZ	\$ 1035	CA501
AMD ATHLON 1.2GHZ	\$ 1015	CA502
AMD ATHLON 1.1GHZ	\$ 979	CA503
AMD ATHLON 1.0GHZ	\$ 959	CA504
AMD ATHLON 900	\$ 929	CA505
AMD DURON 850	\$ 915	CA506
AMD DURON 800	\$ 869	CA507

AMD BEST BUY

- VIA KT133A 266 MHz FSB 4X AGP MAIN BOARD
- 128 MB PC133 SDRAM
- 40 GB Ultra DMA 100 Hard Drive
- NVIDIA TNT2 M64 32MB 3D AGP Video Card
- 52X CD-ROM
- AC97 3D Wavetable Sound Card
- 120-Watt Power Stereo Speakers
- ZOOM PCI 56K V.90 Fax Modem w/ Voice
- Mitsumi 1.44 MB Floppy Drive
- 108 KEY Win98 Keyboard & Internet Mouse
- Medium Tower Case w/ 250 Watt UL
- Microsoft Windows Millennium or 98 2nd Edition
- Corel Wordperfect Office 2000
- 17" .27MM SVGA Monitor +\$165
- One Year On Site Service +\$29

AMD ATHLON 1200	\$ 695	CE501
AMD ATHLON 1100	\$ 659	CE502
AMD ATHLON 1000	\$ 639	CE503
AMD ATHLON 900	\$ 615	CE504
AMD ATHLON 850	\$ 595	CE505
AMD DURON 850	\$ 559	CE506
AMD DURON 800	\$ 545	CE507

GAMER XTREME DVD

- VIA KT133 Thunderbird 4X AGP MAIN BOARD
- 512 MB PC133 SDRAM
- 60 GB Ultra DMA 100 Hard Drive
- NVIDIA GeForce-2 Ultra 64MB w/TV Out Video Card
- 16X DVD-ROM
- Creative Lab Sound Blaster Live Value 5.1
- Creative Cambridge SoundWorks Desktop Theater 5.1 DTT2200 Surround Sound System
- 19" VIEWSONIC E790 .22MM SVGA Monitor
- DIAMOND SUPRA 56K V.90 Fax Modem
- Mitsumi 1.44 MB Floppy Drive
- Microsoft PS2 Intelli Internet Keyboard
- Microsoft PS2 Intelli Mouse w/Wheel
- ATX Medium Tower Case w/ 300 Watt UL
- Microsoft Windows Millennium or 98 2nd Edition
- Corel Wordperfect Office 2000
- One Year On Site Service +\$29

AMD ATHLON 1.3GHZ	\$ 1665	CD501
AMD ATHLON 1.2GHZ	\$ 1639	CD502
AMD ATHLON 1.1GHZ	\$ 1605	CD503
AMD ATHLON 1GHZ	\$ 1589	CD504
AMD ATHLON 900	\$ 1559	CD505
AMD ATHLON 850	\$ 1543	CD506

ATHLON BEST BUY

- VIA KT133A 266 MHz FSB 4X AGP MAIN BOARD
- 128 MB PC133 SDRAM
- 40 GB Ultra DMA 100 Hard Drive
- NVIDIA RIVA TNT2 M64 32MB AGP Video Card
- 12X DVD-ROM
- AC97 3D Wavetable Sound Card
- 240-Watt Power Stereo Speakers System
- ZOOM 56K V.90 Fax Modem w/ Voice
- Mitsumi 1.44 MB Floppy Drive
- PS2 Win98 Keyboard & Internet Mouse
- ATX Medium Tower Case w/ 250 Watt UL
- Microsoft Windows Millennium or 98 2nd Edition
- Corel Wordperfect Office 2000
- 19" .26MM SVGA Monitor +\$235
- One Year On Site Service +\$29

AMD ATHLON 1200 MHZ	\$ 725	CJ501
AMD ATHLON 1100 MHZ	\$ 695	CJ502
AMD ATHLON 1000 MHZ	\$ 669	CJ503
AMD ATHLON 900	\$ 639	CJ504
AMD ATHLON 850	\$ 625	CJ505
AMD DURON 850	\$ 589	CJ506
AMD DURON 800	\$ 579	CJ507

ATHLON LIGHTNING DVD

- VIA KT133A 266 MHz FSB 4X AGP MAIN BOARD
- 256 MB PC133 SDRAM
- 40 GB Ultra DMA 100 RPM Hard Drive
- NVIDIA GeForce-2 MX 32MB 4X AGP Video Card
- 12X DVD-ROM
- 8X4X32 CD RW Drive
- AC97 3D Wavetable Sound Card
- ALTEC LANSING ACS 651 Subwoofer System
- 19" .26MM SVGA Monitor
- ZOOM 56K V.90 Fax Modem w/ Voice
- Mitsumi 1.44 MB Floppy Drive
- PS2 Win98 Keyboard & Internet Mouse
- ATX Medium Tower Case w/ 300 Watt UL
- Microsoft Windows Millennium or 98 2nd Edition
- Corel Wordperfect Office 2000
- One Year On Site Service +\$29

AMD ATHLON 1.2GHZ	\$ 1129	CH501
AMD ATHLON 1100 MHZ	\$ 1095	CH502
AMD ATHLON 1000 MHZ	\$ 1075	CH503
AMD ATHLON 900	\$ 1049	CH504
AMD ATHLON 850	\$ 1029	CH505
AMD DURON 850	\$ 999	CH506
AMD DURON 800	\$ 985	CH507

www.cyberpowerinc.com

PC THEATER BEST BUY

- VIA KT-133A 266MHz FSB 4X AGP MAIN BOARD
- 128 MB PC133 SDRAM
- 40 GB Ultra DMA 100 Hard Drive
- ATI Radeon VE 32MB DDR Dual Monitor Output Video Card
- 12X DVD-ROM
- LAB 5B LIVE VALUE 5.1
- Creative Cambridge SoundWorks Desk Top Theater 5.1 DTT2200 Surround Sound System
- PCI 56K V.90 Fax Modem
- Black 1.44 MB Floppy Drive
- Black PS2 Internet Keyboard
- Black PS2 Internet Mouse w/ Wheel
- Black Stylish ATX Medium Tower Case 300 W

- Microsoft Windows Millennium or 98 2nd Edition
- Corel Wordperfect Office 2000
- Optional Black 19" .26 MM SVGA +\$335
- One Year On Site Service +\$29

AMD ATHLON 1300 MHZ	\$ 925	TS011
AMD ATHLON 1200 MHZ	\$ 899	TS012
AMD ATHLON 1100 MHZ	\$ 869	TS013
AMD ATHLON 1000MHZ	\$ 849	TS014
AMD ATHLON 900	\$ 819	TS015
AMD DURON 850	\$ 805	TS016
AMD DURON 800	\$ 769	TS017

4802 Little John St., Baldwin Park, CA 91706

Tel: (626)813-7730 • Fax: (626)813-3810 • Technical Support (877)876-4965

Hour: Mon-Fri 8:30A.M. ~ 6:00P.M. • Sat 9:30A.M. ~ 3:00P.M.



• Price subject to change without notice.



Now simply enter the "C-Value Code"
on our web site to get the latest prices

ORDER TOLL FREE (800)707-0393

Please Visit our Website www.marineparkcomputers.com For The Latest Price and Product Information

Please Visit our Website www.marineparkcomputers.com For The Latest Price and Product Information

MP

MARINE PARK COMPUTERS

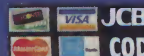
1-800-565-9850

3126 Avenue U
Brooklyn, NY 11229

Local & Overseas Call: 718-769-1186

Inquiries on Orders Placed

Already ONLY 1-800-360-1722



STORE HOURS

Mon-Thurs 9:30am-8:00pm

Friday 9:30am-5:00pm

Saturday - Closed

Sunday 10:00am-7:00pm

APO'S WELCOME

GOVERNMENT, SCHOOLS, & FORTUNE 500 PURCHASE ORDERS WELCOME!

VISIT OUR
WEBSITE:

www.marineparkcomputers.com

Our Site is User Friendly with Detailed Specifications!

IBM

IBM

hp HEWLETT PACKARD

SONY

SONY

THINKPAD A21E-C1U
Celeron® 600 Processor
12.1" Active Color Display,
64 Mb Ram/10Gb HD,
24X CD-Rom, 56k Modem
\$1299⁹⁹

THINKPAD 1200I-11U
Celeron® 550 Processor
12.1" HPA Color Display,
32Mb Ram/5 Gb HD,
24X CD-Rom, 56k Modem
\$799⁹⁹

PAVILION N3410
K6®-2 550 Processor
13" HPA Color Display,
64 Mb Ram/5.0 Gb HD,
24X CD-Rom, 56k Modem
\$849⁹⁹

VAIO PCG-FX140
Pentium® III 700 Mhz Processor
14.1" Active Color Display,
128Mb Ram/10Gb HD,
8X DVD-Rom, 56k Mod.
\$1899⁹⁹

VAIO PCG-XG500
Pentium® III 700 Mhz Processor
13.3" Active Color Display,
128 Mb Ram/10 Gb HD,
8X DVD-Rom, 56k Mod.
\$2299⁹⁹

Model	Processor	Display	Ram/HD/CD/Mod	Price
THINKPAD A SERIES				
A21M-D1U Pentium® III	700	12.1 TFT	64/10/24X/56k	1599.99
A21M-E1U Pentium® III	750	14.1 TFT	64/10/DVD/56k	1899.99
A21M-F1U Pentium® III	750	15 TFT	64/20/DVD/56k	2099.99
A21M-G1U Pentium® III	800	14.1 TFT	64/20/DVD/56k	2199.99
A21H-G1U Pentium® III	850	15 TFT	128/32/DVD/56k	CALL

Model	Processor	Display	Ram/HD/CD/Mod	Price
THINKPAD I SERIES				
I210-210 Celeron®	500	12.1 TFT	32/6/24X/56k	899.99
I250-250 Celeron®	500	12.1 TFT	64/6/24X/56k	999.99
I260-260 Celeron®	550	13.3 TFT	64/6/24X/56k	1249.99
I260-41U Celeron®	550	12.1 TFT	64/5/24X/56k	1049.99
I260-51U Celeron®	600	12.1 TFT	64/10/DVD/56k	1249.99
I300-31U Pentium® III	550	13.3 TFT	64/5/24X/56k	1299.99
I300-51U Pentium® III	650	13.3 TFT	64/20/DVD/56k	1699.99

Model	Processor	Display	Ram/HD/CD/Mod	Price
PAVILION				
N5210 Celeron®	650	13 HPA	64/10/24X/56k	999.99
N5240 Celeron®	700	13.3 TFT	128/10/DVD/56k	1249.99
N5250 Pentium® III	700	13.3 TFT	128/10/DVD/56k	1549.99
N5190 Pentium® III	700	14.1 TFT	128/10/DVD/56k	1699.99
N5270 Pentium® III	700	15 TFT	128/20/DVD/56k	1899.99
N5290 Pentium® III	750	15 TFT	256/20/DVD/56k	CALL

Model	Processor	Display	Ram/HD/CD/Mod	Price
VAIO SERIES				
FX120 Pentium® III	700	13.3 TFT	64/10/DVD/56k	1499.99
FX150 Pentium® III	750	15 TFT	128/20/DVD/56k	2199.99
FX170 Pentium® III	800	15 TFT	128/20/DVD/56k	2399.99
F-680 Pentium® III	750	15 TFT	64/20/DVD/56k	1999.99
F-680 Pentium® III	850	15 TFT	128/30/DVD/56k	CALL

Model	Processor	Display	Ram/HD/CD/Mod	Price
VAIO PCG-Z505LE				
XG-700 Pentium® III	750	14.1 TFT	128/20/DVD/56k	2399.99
XG-39 Pentium® III	850	14.1 TFT	128/30/DVD/56k	CALL

THINKPAD T21-4AU
Pentium® III 800 Mhz Processor
14.1" Active Color Display,
128 Mb Ram/20 Gb HD,
8X DVD-Rom, 56k Modem
10/100 Ethernet
\$2699⁹⁹

THINKPAD 1200I-71U
Celeron® 600 Mhz Processor
13.3" Active Color Display,
64 Mb Ram/10Gb HD,
DVD-Rom, 56k Mod.
\$1299⁹⁹

OMNIBOOK 6000
Pentium® III 800 Mhz Processor
14.1" Active Color Display,
128 Mb Ram/20Gb HD,
DVD-Rom, 56k Mod.
10/100 Ethernet
\$2999⁹⁹

PCG-FX190
Pentium® III 850 Mhz Processor
15" Super XGA Display 1400x1050 Res.
256Mb Ram/30Gb HD,
Combo DVD, CD-RW Drive
10/100 Lan & 56k Modem
\$3299⁹⁹

VAIO SR17
Pentium® III 700 Mhz Processor
10.4" Active Color,
128 Mb Ram/20Gb HD,
56k Modem
\$1999⁹⁹

Model	Processor	Display	Ram/HD/CD/Mod	Price
THINKPAD T SERIES				
T20-41U Pentium® III	700	14.1 TFT	128/10/DVD/56k	2299.99
T21-47U Pentium® III	800	14.1 TFT	128/20/DVD/56k	2599.99
T21-57U Pentium® III	850	14.1 TFT	128/32/DVD/56k	3299.99
T21-97U Pentium® III	850	14.1 TFT	128/32/DVD/56k/W2K	CALL

Model	Processor	Display	Ram/HD/CD/Mod	Price
THINKPAD X SERIES				
X20-11U Celeron®	500	12.1 TFT	64/10/OPT/56k	1599.99
X20-31U Pentium® III	600	12.1 XGA	128/20/OPT/56k	CALL

Model	Processor	Display	Ram/HD/CD/Mod	Price
PAVILION				
6000 Pentium® III	600	14.1 TFT	64/6/24X/56k	1499.99
6000 Pentium® III	650	14.1 TFT	128/10/24X/56k	1699.99
6000 Pentium® III	700	15 TFT	128/18/DVD/56k	2299.99
6000 Pentium® III	850	15 TFT	128/20/DVD/56k	CALL

Model	Processor	Display	Ram/HD/CD/Mod	Price
VAIO SERIES				
FX140K Pentium® III	700	14.1 TFT	128/10/DVD/56k	1999.99
FX150K Pentium® III	750	14.1 TFT	128/20/DVD/56k	2299.99
FX170K Pentium® III	800	15 TFT	128/20/DVD/56k	2399.99
FX190K Pentium® III	850	15 SXGA	256/30/DVD/56k	CALL

Model	Processor	Display	Ram/HD/CD/Mod	Price
VAIO SR17K				
SR-17K Pentium® III	700	10.4 TFT	128/20/Opt/56k/W2K	2099.99

MINI NOTEBOOKS

TOSHIBA
PORTAGE 3440CT
Pentium® III 500 Processor
11.3" Active Color
64 Mb Ram, 6.4Gb HD
56k Modem
\$1399⁹⁹

SONY
PICTURE BOOK C1VN
Crusoe® 600 Mhz Processor
8.9" Active Color
128 Mb Ram/12Gb HD,
56k Modem
Built-in Digital Camera
\$2199⁹⁹

IBM
THINKPAD X20-11U
Celeron® 500 Processor
12.1" Active Color,
64 Mb Ram/10Gb HD
56k Modem
\$1599⁹⁹

IBM
THINKPAD TRANNOTE
Pentium® III 600 Processor
10.4" S-VGA Active Color,
64 Mb Ram/10Gb HD,
10/100 Eth, 56k Modem
Windows 98
\$2899⁹⁹

hp HEWLETT PACKARD
OMNIBOOK 500
Pentium® III 600 Processor
12.1" XGA TFT Display
128 Mb Ram/10Gb HD,
56k Modem, 10/10 Ethernet
Windows 2000 Pro
\$2499⁹⁹

Model	Processor	Display	Ram/HD/CD/Mod	Price
PORTAGE 3440CT				
3480 CT Pentium® III	600	11.3" Act.	64/12.56k	1999.99

Model	Processor	Display	Ram/HD/CD/Mod	Price
PICTURE BOOK C1VN				
PCG-C1XS Pentium®	2400	8.9 TFT	64/12.56k	1999.99

Model	Processor	Display	Ram/HD/CD/Mod	Price
THINKPAD X20-11U				
X20-11U Pentium® III	500	12.1 TFT	64/10/OPT/56k	1599.99

Model	Processor	Display	Ram/HD/CD/Mod	Price
THINKPAD TRANNOTE				
Transnote Pentium® III	600	with Windows 2000		2999.99

Model	Processor	Display	Ram/HD/CD/Mod	Price
OMNIBOOK 500				
500 Pentium® III	700	12.1 Active	128/20.56k. Eth	CALL

PALM PC'S/PDA'S FOR LESS

hp HEWLETT PACKARD
JORNADA 545
16 Mb Ram,
240x320 Pixel LCD
65,536 Colors
Up 8 Hour Battery
Only 9.1 Ounces
\$429⁹⁹

COMPAQ
IPAQ H3650
32 Mb Memory
240x320 Pixel Res.
Active Color Display
Only 6.3 oz Windows CE
CALL

CASIO
EM-500 Pocket PC
16Mb Memory
240x320 TFT Color
Display/Multimedia
Accessory Slot
Microphone, Speaker
\$449⁹⁹

PALM
M-100
2Mb Memory
Razor Sharp Display
Work with PC or MAC
\$129⁹⁹

PALM
IIIIC
Color Display
8 Mb Memory
Pocket Size
Lightweight
\$279⁹⁹

Model	Processor	Display	Ram/HD/CD/Mod	Price
JORNADA 545				
Jornada 547 Mini Ram				499.99

Model	Processor	Display	Ram/HD/CD/Mod	Price
IPAQ H3650				
IPAQ H3650				279.99

Model	Processor	Display	Ram/HD/CD/Mod	Price
EM-500 Pocket PC				
EM-500				349.99

Model	Processor	Display	Ram/HD/CD/Mod	Price
M-100				
M105 Mini Palm OS				129.99

Model	Processor	Display	Ram/HD/CD/Mod	Price
IIIIC				
Palm Vx 8mb, Ultra Slim				349.99

HANDHELD PC'S

COMPAQ
AERO 8000
10" Super VGA
Color Display
128 MHz, 64 Bit Processor
16Mb Ram, 64 Mb Maximum
56k Integrated V.90 Modem
Li-Ion Battery Provides up to 7
Hours Continuous Use,
Less than 3 lbs. Exceptional mobility,
Windows CE Professional Edition
and Compaq Software Bundle
1 Year Compaq Warranty
\$499⁹⁹

hp HEWLETT PACKARD
Jornada 720
32 Mb Ram,
640x240 Resolution,
6.5 CSTN Color Display,
56k Modem, PC Card
Type II Slot, Compact Flash Slot
Windows for Handheld PC 2000
Version 3.0
\$929⁹⁹

NEC
Mobile Pro 780
32 Mb Ram,
8.1" DSTN Color
Touchscreen
640x240 Resolution,
56k Modem, Type II PC Card Slot
\$779⁹⁹

OLYMPUS C-211
•Instant Photo Prints
•2.1 Megapixel
•3X Optical Zoom
•MPEG Mode
•2" TFT LCD
Color Display
Call

Nikon Coolpix 990
•3.34 Mega Pixel
•3X Optical Zoom
•MPEG Mode
•USB Connection
Call

Model	Processor	Display	Ram/HD/CD/Mod	Price
Jornada 720				
Jornada 720				929.99

Model	Processor	Display	Ram/HD/CD/Mod	Price
Mobile Pro 780				
Mobile Pro 780 9.4" Color				CALL

Model	Processor	Display	Ram/HD/CD/Mod	Price
OLYMPUS C-211				
Olympus C-3000				CALL
Olympus C-2500L				CALL
Olympus C-2100				CALL
Olympus C-2040				CALL
Olympus D-460Z				CALL
Olympus E-100 RS				CALL
Sony DSC-P1				CALL
Sony DSC-S70				CALL
Sony DSC-S50				CALL
Sony DSC-F505V				CALL

Model	Processor	Display	Ram/HD/CD/Mod	Price
OLYMPUS C-3030				
Olympus C-3000				CALL
Olympus C-2500L				CALL
Olympus C-2100				CALL
Olympus C-2040				CALL
Olympus D-460Z				CALL
Olympus E-100 RS				CALL
Sony DSC-P1				CALL
Sony DSC-S70				CALL
Sony DSC-S50				CALL
Sony DSC-F505V				CALL

Model	Processor	Display	Ram/HD/CD/Mod	Price
OLYMPUS C-3030				
Olympus C-3000				CALL
Olympus C-2500L				CALL
Olympus C-2100				CALL
Olympus C-2040				CALL
Olympus D-460Z				CALL
Olympus E-100 RS				CALL
Sony DSC-P1				CALL
Sony DSC-S70				CALL
Sony DSC-S50				CALL
Sony DSC-F505V				CALL

REMANUFACTURED VALUES

COMPAQ
PRESARIO 1200XL-118
K6®-2 500 Mhz Processor
13" HPA Color Display,
64 Mb Ram, 6 Gb HD
24X CD-Rom
56k Modem
Manufacturer Warranty
\$749⁹⁹</

MP

MARINE PARK COMPUTERS

3126 Avenue U
Brooklyn, NY 11229

www.marineparkcomputers.com

VISIT OUR WEBSITE FOR LATEST PROMOTIONS AND DETAIL SPECIFICATIONS

Up To...

\$400 OFF

ON PURCHASE OF ANY NOTEBOOK
WITH MANUFACTURERS AND INTERNET
REBATES. CALL FOR DETAILS

GOVERNMENT, SCHOOLS, AND FORTUNE 500 PURCHASE ORDERS WELCOME!

TOSHIBA

SATELLITE 1715XCDs

Celeron® 600 Mhz Processor
13" Color Bright Display
64 Mb Ram/6 Gb HD,
24X CD-Rom, 56k Modem

\$949⁹⁹

SATELLITE 1755

Celeron® 700 Mhz Processor
13.3" Active Color Display,
64 Mb Ram/10 Gb HD,
8X Max DVD-Rom, 56k Modem

\$1299⁹⁹

ACER

TRAVELMATE 600TER

Pentium® III 600 Mhz Processor
13.3" Active Color Display,
64 Mb Ram/12 Gb HD, 4X CD-RW,
10/100 Ethernet, 56k Modem

\$1599⁹⁹

COMPAQ

PRESARIO 1200-XL300

Celeron® 600 Mhz Processor
13" HPA Color Display,
64 Mb Ram/6 Gb HD,
24X CD-Rom, 56k Modem

\$899⁹⁹

PRESARIO 1700-XL 460

Pentium® III 700 Mhz Processor
14.1" Active Color Display,
128 Mb Ram/15 Gb HD,
8X DVD-Rom, 56k Mod.

\$1799⁹⁹

SATELLITE

Model	Processor	Display	Ram/HD/CD/Mod	Price
225XCDs	Celeron® 600	13 DS	64/6/24X/56k	949.99
225XCDT	Celeron® 600	12.1 TFT	64/6/24X/56k	1049.99
1735	Celeron® 700	13 DS	64/10/24X/56k	1149.99
2805-S201	Celeron® 650	13.3 TFT	64/6/DVD/56k	1199.99
2805-S301	Pentium® III 650	14.1 TFT	128/10/DVD/56k	1599.99
2805-S401	Pentium® III 700	15 TFT	128/20/DVD/56k	1999.99

TECRA

Model	Processor	Display	Ram/HD/CD/Mod	Price
8100	Pentium® III 700	14.1 TFT	128/12/DVD/56k	1999.99
8100	Pentium® III 750	14.1 TFT	128/12/DVD/56k	2199.99
8100	Pentium® III 850	14.1 TFT	128/20/DVD/56k	CALL
8200	Pentium® III 750	14.1 TFT	128/20/24X/56k	2799.99
8200	Pentium® III 750	14.1 TFT	128/10/DVD/56k	2899.99
8200	Pentium® III 850	14.1 TFT	26/20/DVD/CDRW/56k	CALL

SATELLITE 2805-S202

Pentium® III 700 Mhz Processor
14.1" Active Color Display,
128 Mb Ram/10 Gb HD,
8X DVD-Rom, 56k Modem
10/100 Ethernet

\$1699⁹⁹

TECRA 8100

Pentium® III 800 Mhz Processor
14.1" Active Color Display,
128 Mb Ram/10Gb HD,
DVD-Rom
56k Modem

\$2399⁹⁹

SATELLITE 2805-S402

Pentium® III 850 Mhz Processor
15" Active Color Display,
128 Mb Ram/20 Gb HD,
DVD-CDRW Combo
56k, 10/100 Ethernet

\$2599⁹⁹

PORTAGE

Model	Processor	Display	Ram/HD/CD/Mod	Price
3440CT	Pentium® III 500	11.3 TFT	64/6/Opt/56k	1399.99
3480CT	Pentium® III 600	11.3 TFT	64/12/Opt/56k	1999.99
3490CT	Pentium® III 700	11.3 TFT	128/20/Opt/56k	2299.99
7200CT	Pentium® III 600	13.3 TFT	64/12/Opt/56k	1699.99

PORTAGE 7220 CTE

Pentium® III 650 Mhz Processor
13.3" Active Color Display,
64 Mb Ram/12Gb HD,
56k Modem

\$1999⁹⁹ Less Than 4 lbs.

TRAVELMATE

Model	Processor	Display	Ram/HD/CD/Mod	Price
602 TER	Pentium® III 650	13.3 TFT	128/12/CD-RW/56k	1799.99
603 TER	Pentium® III 700	13.3 TFT	64/12/CD-RW/56k	1899.99
603 TER	Pentium® III 700	13.3 TFT	128/12/CD-RW/56k	2099.99
737 TLY	Pentium® III 700	15 TFT	128/18/DVD/56k	2299.99
738 TLY	Pentium® III 750	15 TFT	128/18/DVD/56k	2599.99
739 TLY	Pentium® III 850	15 TFT	128/18/DVD/56k	CALL

TRAVELMATE 200DX

Celeron® 550 Mhz Processor
12.1" HPA Color Display,
64 Mb Ram/5 Gb HD,
24X CD-Rom, 56k Mod.

\$899⁹⁹

TRAVELMATE

Model	Processor	Display	Ram/HD/CD/Mod	Price
200T	Celeron® 550	12.1 TFT	64/5/24X/56k	999.99
202T	Celeron® 650	12.1 TFT	64/5/24X/56k	1099.99
S27TXV	Pentium® III 800	14.1 TFT	128/10/DVD/56k/Eth	1999.99

TRAVELMATE 351TEV

Pentium® III 700 Processor
13.3" Active Color Display,
128 Mb Ram/10 Gb HD,
Ext. 8X DVD-Rom
56k Mod. & NIC Card

\$2099⁹⁹

341T	Pentium® III 500	12.1 TFT	64/6/DVD/56k	1499.99
350TE	Pentium® III 650	12.1 TFT	64/10/Opt/56k	1699.99

PRESARIO

Model	Processor	Display	Ram/HD/CD/Mod	Price
1200-310	Celeron® 600	12.1 TFT	64/6/DVD/56k	1099.99
1200-400	Celeron® 700	13 HPA	64/10/24X/56k	1049.99
1200-125	K6-2 550	13.3 TFT	64/6/DVD/56k	1199.99
1200-325	Pentium® III 650	13.3 TFT	64/6/DVD/56k	1399.99
1200-410	Pentium® III 700	13.3 TFT	64/15/DVD/56k	1599.99
1200-430	Pentium® III 700	13.3 TFT	128/10/DVD/56k	CALL

PRESARIO 1200-XL 401

Celeron® 700 Processor
13.3" Active Color Display,
64Mb Ram/15 Gb HD,
DVD-Rom, 56k Mod.

\$1299⁹⁹

1400-244	Celeron® 566	13 HPA	64/6/24X/56k	999.99
1400-245	Celeron® 566	13.3 TFT	64/6/DVD/56k	1199.99
1400-340	Celeron® 600	12.1 TFT	64/6/DVD/56k	1099.99
1400-345	Pentium® III 650	13.3 TFT	64/10/DVD/56k	1399.99

PRESARIO 1800XL-380

Pentium® III 700 Processor
15" Active Color Display,
128Mb Ram/20 Gb HD,
DVD-Rom, 56k Mod.

\$1999⁹⁹

1800-280	Pentium® III 650	15 TFT	64/6/4/DVD/56k	1699.99
1800-390	Pentium® III 850	15 TFT	128/20/DVD/56k	CALL

PRESARIO

Model	Processor	Display	Ram/HD/CD/Mod	Price
1700-360	Pentium® III 600	14.1 TFT	64/10/DVD/56k	1499.99
1700-365	Pentium® III 700	14.1 TFT	128/15/DVD/56k	1699.99
1700-375	Pentium® III 750	14.1 TFT	128/20/DVD/56k	2099.99
1700-465	Pentium® III 800	14.1 TFT	128/20/DVD/56k	2199.99
1700-475	Pentium® III 850	14.1 TFT	128/30/DVD/56k	CALL

ARMADA M700

Pentium® III 850 Processor
14.1" Active Color Display,
128Mb Ram/20 Gb HD,
8X DVD-Rom, 56k Modem
10/100 Ethernet
Windows 2000 Professional

\$Call

M300	Pentium® III 600	12.1 TFT	64/12/Opt/56k	1999.99
M700	Pentium® III 700	14.1 TFT	64/12/DVD/56k	2499.99
M700	Pentium® III 750	14.1 TFT	64/12/DVD/56k	2899.99
M700	Pentium® III 850	14.1 TFT	128/20/DVD/56k	CALL

ARMADA E500

Pentium® III 650 Processor
14.1" Active Color Display,
64Mb Ram/12 Gb HD,
DVD-Rom, 56k Mod.

\$1599⁹⁹

E500	Pentium® III 600	14.1 TFT	64/12/24X/56k	1499.99
E500	Pentium® III 700	15 TFT	64/12/DVD/56k	1999.99
E500	Pentium® III 800	14.1 TFT	64/10/DVD/56k	2099.99
E500	Pentium® III 850	15 TFT	128/20/DVD/56k	CALL

MODEMS AND NETWORKING

MOBILE SURFR by MOTOROLA

56K BPS
PCMCIA Data/Fax Modem
Cellular Ready

\$39⁹⁹

Megahertz 3Com U.S. Robotics
56K BPS
PCMCIA Data/Fax Modem
With X-Jack, Digital Line Connector
for Windows 95, Plug & Play

\$69⁹⁹

Megahertz 3Com U.S. Robotics
X-JACK 56K BPS
V.90 Modem & LAN 10/100
Ethernet PCMCIA Card

\$169⁹⁹

Xircom Integrated PC Cards
CBEM56G-100BTX
PCMCIA Ethernet
10/100 + 56k Global Modem
Minimod Connection
32 Bit Cardbus

\$199⁹⁹

3Com OfficeConnect

3CXSH572BT
10/100 Ethernet Card
X-jack Connector

\$79⁹⁹

3Com 3CXFE575CT
10/100 Ethernet Card
Supports Most OS
X-jack PC Card

\$149⁹⁹

Xircom RealPort™
RBE-100BTX
RealPort 10/100
Internet Adapter
32 Bit Cardbus

\$129⁹⁹

3Com 3CRWE737A
Airconnect
11 MBPS Wireless
LAN PC Card

\$169⁹⁹

MOBILE PERIPHERALS

6.4 GB Hard Drive For Notebooks

REPLACE YOUR DRIVE NOT YOUR COMPUTER
Only... **\$129⁹⁹**

HARD DRIVES

FOR ALL MAJOR BRAND NOTEBOOKS
3GB.....79.99 12GB.....169.99
4GB.....99.99 18GB.....199.99
6.4GB.....129.99 20GB.....CALL

MEMORY

FOR ALL MAJOR BRANDS
NEW & DISCONTINUED MODELS
GUARANTEED LOWEST PRICE
16MB, 32MB, 64MB, 128MB.....CALL

BATTERIES

FOR ALL NEW AND
OLDER MODELS
Call for Price!

IOMEGA

ZIP® 250MB
Portable USB Drive
Easy to attach USB
connection. Compatible
with 100MB media
Ultra Portable,
Only 20 Ounces

\$169⁹⁹

ZIP® 100 Portable USB Drive.....119.99

External USB

CD-RW
4x4x6
For PC or MAC

\$249⁹⁹

ARCHOS Mini CD-RW
4x4x24x
Super Portable
PC/MCIA or MB Connection

\$299⁹⁹

MicroSolutions

Backpack Bantam
24X CD Rom Drive
Easy to install, Parallel Port,
Ultra Portable,
Only 20 Ounces

\$129⁹⁹

External USB
CD-RW
4x4x6
For PC or MAC

\$249⁹⁹

ARCHOS Mini CD-RW
4x4x24x
Super Portable
PC/MCIA or MB Connection

\$299⁹⁹

Addonics
8X DVD-Rom or 24X
CD-Rom Reader
Lightweight on 14 oz.
USB or PC Card
Connection

\$289⁹⁹

MicroSolutions

Backpack Bantam
24X CD Rom Drive
Easy to install, Parallel Port,
Ultra Portable,
Only 20 Ounces

\$129⁹⁹

External USB
CD-RW
4x4x6
For PC or MAC

\$249⁹⁹

ARCHOS Mini CD-RW
4x4x24x
Super Portable
PC/MCIA or MB Connection

\$299⁹⁹

Addonics
8X DVD-Rom or 24X
CD-Rom Reader
Lightweight on 14 oz.
USB or PC Card
Connection

\$289⁹⁹

HP

HP-3500C
Laser Quality Color Printer
600 DPI, Up to 5PPM
Built-in 30 Page Sheet Feeder

\$259⁹⁹

HP-3500C 600DPI, Wireless Infrared Printing

\$289⁹⁹

Canon BJC-85
Portable Color Printer
Up to 720x360DPI, 4 PPM Black
2PPM Color, 30 Page Sheet Feeder

\$279⁹⁹

Canon BJC-55
Portable Color Printer
Up to 720x360DPI, 4 PPM Black
2PPM Color, 30 Page Sheet Feeder

\$329⁹⁹

brother

MP-21C
Color Inkjet Printer
600x600 DPI, Up to 10PPM,
PC/MCIA Connection

\$199⁹⁹

MP-21C/KIT wishet feeder

\$249⁹⁹

COMPLETE MOBILE OFFICE SOLUTIONS!

FREE BONUS PACK: Network Card, Carrying Case & Printer Cable

Fig #1

TOSHIBA SATELLITE 225XCDs
Celeron® 600 Mhz Processor
13" Dual Scan Color Display
64Mb Ram/6 Gb HD
24X CD Rom, 56k Modem

\$999⁹⁹

FREE BONUS PACK
Canon BJC-2110
Color Bubblejet Printer
Up to 720x360DPI,

"When you get a minute, we need IT's buying history."

Translation: The CFO needs IT's buying history by tomorrow.



How to get the
information you need
to move on with your day.



At CDW, we understand what it can be like in IT. That's why we'll create a CDW@work personalized website that's customized specifically for your business.

Efficiency Features: From verifying up to three years of your IT buying history to compiling and maintaining asset tags online, CDW@work has more ways than ever for you to get more done in less time.



Flexibility: CDW@work allows you to conduct business with us on your schedule. It's the ultimate in convenience. Make purchases, check order status and get the information you need at any hour, day or night.



Personalized Service: CDW@work is an extension of your CDW account manager. Secure and customized to your business, it helps you better manage your IT purchases to make your day a little easier.



www.cdw.com



800-726-4239



*Computing Solutions
Built for Business®*

Web Buyer

Reap What You Surf

Do a little digging online before you pick up that shovel, and you'll find everything under the sun to grow and maintain the perfect garden.

by Anita Gates

That old line about April showers bringing May flowers is true, but only to a point. As anyone who has ever opened a seed packet will tell you, nature needs your help. Luckily, the Web can yield a bountiful harvest of gardening products and guidance, even if you don't have the greenest of thumbs.

As you might have guessed, **Martha Stewart**, America's queen of pretty living, has some pretty gardening things at her pretty site, www.marthastewart.com.

Pick up essentials like perennials, bulbs, herb plants, seeds, shrubs, tools, planters, garden furniture, and books to create a garden even Martha would envy. You'll also find an interesting assortment of not-so-essential items, like sturdy rubber garden boots (\$45) with matching rubber tote bags (\$42). Do some quality research in the Encyclopedia of Plants, watch Stewart's past TV gardening segments, or just get inspired by checking out other people's well-tended gardens.

You won't find many single-pack seeds for sale at upscale seller **Smith & Hawken** (www.smithandhawken.com). This elegant site consists

mostly of impressive outdoor furniture and garden accessories, but it also has an alluring selection of flower seed mixes. Choices include Shady, Aromatic, Chamomile Lawn, Cut Flower, and French Countryside. (The last will grow in any region, not just in Provence.) Seed mats come in

Cut Flower, Fragrant, Low Border, Summer Border, or Tree Ring varieties. Tasteful garden supplies include potbelly copper-and-brass watering cans (\$69 each), English heirloom hand trowels (\$15 each), and embroidered French calf-skin gardening gloves (which, ironically, at \$28 a pair you probably wouldn't want to soil). Fortunately, the site also offers several items in its clearance section.

Johnny's Selected Seeds (www.johnnyseeds.com) is a no-frills site selling around 125

varieties of flower seeds, more than 60 kinds of vegetable seeds, and a hearty selection of gardening accessories, including tools, fertilizer, and insecticides. You won't be able to view pictures of every item, but do you really need to know what mulch looks like? The company, which has won prizes for its custom-bred Baby Bear Pumpkin and Bright Lights Swiss Chard, sells seeds in both wholesale and retail quantities. You could find 100,000 shallot seeds for \$395, for instance, or a mini-pack for \$3.90.

Burpee Seeds, the 125-year-old company that gave the world iceberg lettuce, shows off its abundant selection of gardening wares at a well-designed site (www.burpee.com), where you can search alphabetically for annuals, perennials, and bulbs. The site also offers a wide selection of accessories, including peat

pellets, bulb boosters, and a mold that makes biodegradable pots from old newspaper. You can also order anything from Burpee's mail-order catalog, sign up for online courses, or subscribe to a free e-mail newsletter.

If you're a bit green at gardening, **YardMart.com** (www.yardmart.com) can help. The site sells five different predesigned perennial garden kits for \$10.20 each. YardMart also sells related products such as soil-testing kits (results and recommendations are delivered via e-mail or U.S. Priority Mail), Fiskars pruners (anvil or bypass), and ergonomic hoes. Not to mention tillers, edgers, hedge trimmers, tractors, and a full range of lawn mowers.

Thinking about doing more than just planting a few flowers? Head to **SierraHome Network** (www.sierrahome.com). You'll find Custom LandDesigner 3D 7.0 (\$49.95), a gardening-design program that lets you create your virtual dream landscape in 3D, based on an actual photograph of your home. You can virtually plant over 6,500 types of flowers, trees, and shrubs, and even see what the garden will look like as your plants and trees mature. Complete LandDesigner 3D 7.0 (\$69.95) offers similar features, plus 3D deck design, a personal garden planner, and Ortho Home Gardener's Problem Solver to help cure plant maladies and thwart pests. Both versions include a garden encyclopedia and a designer garden library.

Even **Amazon.com** (www.amazon.com), has branched out into gardening gear with its lawn and patio section. You'll find yards of lawn mowers, ranging from reel mowers for as little as \$70 to more expensive models like the \$1,100 Yard Man 8.5HP rear-engine riding mower. Amazon also sells manual and electric hedge trimmers, pots and planters, gardening tools, and garden furniture. If you just want to chat about your plants and flowers, you can pipe in on the gardening discussion board. Recent topics have included bad soil, pain-in-the-neck aphids, and evil mushrooms. It's practically a jungle out there. ▼

It's all in the bag: Find great gardening gear at Marthastewart.com.



Go forth and grow with Smith & Hawken's Heirloom Tomato Kit (above) and double-grip pruner and hedge shears (right).

go ahead. be difficult,
demanding, and hard to please.
we'll build you a notebook.



Shown with optional color kits –
sold separately

Dell Inspiron 2100
Dell Inspiron 4000
Dell Inspiron 8000
Dell Inspiron 3800

Includes Windows Millennium Edition — the home version of the world's favorite software.

¹⁰Telephone access (call your phone co. for details) and other surcharges for access may apply. Must register within 30 days of receiving computer and accept DellNet/MSN Terms of Service. You agree to be billed monthly fees after the initial service period. You may cancel service at any time. Offer valid for new customers only in U.S. households and must be over 18 years old with major credit card. Limited time offer.

Prices, specifications, availability and terms of offers may change without notice. Taxes and shipping charges extra, and may vary. Valid for U.S. Dell Home Systems Company new purchases only. *For a copy of our Guarantees or Limited Warranties, write Dell USA L.P., Attn: Warranties, One Dell Way, Round Rock, Texas 78682. †For hard drives, GB means 1 billion bytes; accessible capacity varies with operating environment. ‡Download speeds limited to 53Kbps. Upload speeds are less (about 30Kbps) and vary by modem manufacturer and line conditions. Analog phone line and compatible server required. Intel, the Intel Inside logo and Pentium are registered trademarks, and Intel SpeedStep and Celeron are trademarks of Intel Corporation. MS, Microsoft, MSN and Windows are registered trademarks of Microsoft Corporation. Dell cannot be held responsible for errors in typography or photography. ©2001 Dell Computer Corporation. All rights reserved.

Choose from one of four fully customizable notebooks, including the Brand-New Dell™ Inspiron™ 2100.

No matter what your needs or pet peeves, we can custom-build a laptop accordingly. You'll find that all of our systems, from the lightweight affordability of the Dell™ Inspiron™ 3800 to our award-winning Inspiron 8000, have more than enough options to please any computer shopper. Even you.

DELL™ NOTEBOOKS:

DELL™ INSPIRON™ 3800

Design and Affordability

- Intel® Celeron™ Processor at 600MHz
- 12.1" SVGA TFT Display
- 64MB 100MHz SDRAM
- 5GB⁵ Ultra ATA Hard Drive
- Modular 24X Max CD-ROM Drive
- 8MB ATI Rage Mobility™ 3D* 2X AGP Video
- Internal 56K Capable⁶ FaxModem
- Li-Ion Battery with ExpressCharge™ Technology
- MS® Works Suite 2001 ■ MS® Windows® Me
- 1-Yr Limited Warranty² ■ 1-Yr Mail-in Service
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included

\$1129  **E-VALUE CODE**
05980-800411

ASK US ABOUT NO PAYMENTS FOR 90 DAYS.

DELL RECOMMENDED UPGRADES:

- 8X Max DVD-ROM Drive, add \$99
- 128MB SDRAM, add \$75
- Intel® Pentium® III Processor at 700MHz, add \$120

DELL™ INSPIRON™ 4000

Thin and Light

- Intel® Pentium® III Processor at 700MHz Featuring Intel® SpeedStep™ Technology
- 14.1" XGA TFT Display
- 96MB 100MHz SDRAM
- 10GB⁵ Ultra ATA Hard Drive
- Modular 8X Max DVD-ROM Drive
- 8MB ATI Rage Mobility™ 128 3D* 2X AGP Video
- Internal 56K Capable⁶ FaxModem
- Li-Ion Battery with ExpressCharge™ Technology
- MS® Works Suite 2001 ■ MS® Windows® Me
- 1-Yr Limited Warranty² ■ 1-Yr Mail-in Service
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included

\$1699  **E-VALUE CODE**
05980-800416

ASK US ABOUT NO PAYMENTS FOR 90 DAYS.

DELL RECOMMENDED UPGRADES:

- 20GB⁵ Ultra ATA Hard Drive, add \$99
- 3-Yr Limited Warranty², 3-Yr Mail-in Service, Lifetime 24x7 Phone Tech Support, add \$99
- Intel® Pentium® III Processor at 850MHz, add \$50

DELL™ INSPIRON™ 2100

NEW—Super Slim and Light

- Intel® Pentium® III Processor at 700MHz Featuring Intel® SpeedStep™ Technology
- 12.1" XGA TFT Display
- 64MB 100MHz SDRAM
- 5GB⁵ Ultra ATA Hard Drive
- External Floppy Disk Drive
- 4MB ATI Rage Mobility™ M 3D* 2X AGP Video
- Internal 56K Capable⁶ FaxModem
- Internal 3Com® Ethernet 10/100 Network Adapter
- MS® Works Suite 2001 ■ MS® Windows® Me
- 1-Yr Limited Warranty² ■ 1-Yr Mail-in Service
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included

\$1899  **E-VALUE CODE**
05980-800418

ASK US ABOUT NO PAYMENTS FOR 90 DAYS.

DELL RECOMMENDED UPGRADES:

- External 24X Max CD-ROM Drive, add \$99
- External 8X Max DVD-ROM Drive, add \$199
- 128MB SDRAM, add \$175

DELL™ INSPIRON™ 8000

Multimedia Mobile Desktop

- Intel® Pentium® III Processor at 1GHz
- 15" Super XGA+ TFT Display
- 128MB 100MHz SDRAM
- 20GB⁵ Ultra ATA Hard Drive
- Fixed 8X Max DVD-ROM Drive
- 32MB ATI Mobility™-M4 3D* 4X AGP Video
- Internal 56K Capable⁶ FaxModem
- 59Whr Li-Ion Battery ■ harman/kardon® Audio
- MS® Works Suite 2001 ■ MS® Windows® Me
- 1-Yr Limited Warranty² ■ 1-Yr Mail-in Service
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included

\$2599  **E-VALUE CODE**
05980-800425

ASK US ABOUT NO PAYMENTS FOR 90 DAYS.

DELL RECOMMENDED UPGRADES:

- Additional 8X Max CD-RW Drive, add \$299
- 3-Yr Limited Warranty², 3-Yr Mail-in Service, Lifetime 24x7 Phone Tech Support, add \$99
- 15" Ultra XGA TFT Display, add \$149



DELL4me.com

contact us today

888.621.3355

www.dell4me.com

Full Line Of Accessories Plus Great Prices

Build your dream system with **free UPS ground shipping!!**
For more information check our web.



When you search computer components and peripherals, go to : **<http://cs.computergate.com>**

Order Toll Free: **(888) 437-0895**

Fax: (408) 730-0735 • email: sales@computergate.com

Choose from these categories ▼

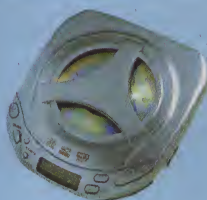
- Accessories
- Batteries
- CD/DVD Drives
- CPUs
- Cables & Adapters
- Cases
- Cooling Kits
- Digital Cameras
- Furniture
- HDD Mobile Racks
- Hard Drives
- I/O Boards
- Input Devices
- Memory
- Modems
- Monitors
- Motherboards
- Multimedia
- Network Hardware
- Network Wiring
- Notebook
- Power Equipment
- Printer Supplies
- Printers
- Software
- Sound Cards
- Storage & Media
- Switch Boxes
- Tool Kits
- USB Devices
- VGA Cards

We gladly accept these credit cards, and money order or checks.



We accept PO's from fortune 500 companies, local, state, and federal government agency (min \$100 PO FOB origin).

MP3 Spinner Audio CD Player



For music lover, listening music while in motion up to 12 hours continuously.

- Skip Free Playback.
- Digital Sound Enhancement.
- Search Sub-directory automatically.

MMPC455...only.....**\$99.99**

Home Office System



- Socket A Duron 600 MHz PC133 memory, 20GB ATA/100 HDD, 56K.
- Fax modem w/voice, 52X CDRom, 8MB VGA Card, and Windows 98.
- 14.1" Active Matrix display.
- Great for home office or small business.

SCK7D.....only.....**\$579.95**

AGP VGA Cards

ATI is a leading-edge 3D features and performance in video card.



. 8MB	
AVGA3D8.....RageII.....	\$33.95
AVAAXP988B.....Rage Pro.....	\$31.99
. 16MB	
AVGAA16A.....All-in-wonder 128...	\$124.99
. 32MB	
AVGAFP.....Fury Pro.....	\$87.95
AVGAX2.....Rage 128.....	\$49.99

Hard Drives

Best Seller !!!
As Low As \$95.95



. 5400 rpm, ATA/100.	
GHDA20H.....Samsung/20G.....	\$95.95
GHD120.....IBM/20G.....	\$95.99
GHDW20EB.....Western Digital/20G.....	\$93.95
. 7200 rpm, ATA/100.	
GHD115F.....IBM/15G.....	\$114.95
GHDQ40F.....Quantum/40G.....	\$152.99
GHDS30F.....Seagate/30G.....	\$129.95

Network Wiring

350 MHz Enhanced Category 5 Patch Cable for Networking



. 24 AWG stranded UTP cable.	
. 4 pair 8 contacts with Rj45 jack on both ends.	
. Available in different colors and length.	
CNWTCE3B.....3', Black.....	\$1.49
CNWTCE7E.....7', Blue.....	\$2.25
CNWTCE14.....14', Gray.....	\$2.99
CNWTCE25N.....25', Orange.....	\$5.95
CNWTCE1ZY.....100', Yellow.....	\$17.95

Motherboard

Pentium 4
w/ I850 Chipset
Support up to
1.5 GHz



. Pentium 4, Socket 423, ATX M/B.	
B7AP4T.....Asus P4T.....	\$239.95
B7G8TX.....Gigabyte 8TX.....	\$239.99
B8M850P.....MSI 850Pro.....	\$194.95
. AMD Socket A, ATX M/B.	
B7FAD11M	
FIC AD11,w/128MB,DDR	\$314.95
B7BKT7AR.Abit KT7-Raid,266MHz..	\$154.99
B7G7ZX1.....Gigabyte GA-7ZX-1.....	\$104.95



COMPUTER GATE INTERNATIONAL

Prices valid from 4/15/2001 to 05/31/2001. Price subject to change without notice! All trademarks are property of their respective owners.

2960 Gordon Avenue, Santa Clara CA 95051

• Mon - Fri 6:00AM to 6:00PM • Saturday 8:00AM to 2:00PM (PST)

WebBuyer

SITE
REVIEWS

SITE REVIEWS FOR ONLINE SHOPPING

BY KEVIN SAVETZ

CONTENTS

PC Shopping	155
Macintosh Hardware and Software	157
Linux Hardware and Software	158
PC Direct Vendors	159
Credit and Credit Cards ...	160
PC Resources	160
Software Sites	161
Sports and Outdoor Products	161
Magazine Subscriptions ...	166

PC SHOPPING

The sites in this listing sell computers, components, and accessories from multiple manufacturers. See the sites under "PC Direct Vendors," or check the *Computer Shopper Source Directory* (cgi.zdnet.com/slink?8145) for more information on PC manufacturers offering only their own brands (such as Dell and Gateway).

aberdeeninc.com

Targeting the savvy consumer who craves speeds and feeds, **Aberdeen** offers extensive specs on a wide variety of computers and accessories. Shoppers can see side-by-side comparisons of motherboards the company carries.



accessmicro.com

Need a gift for that special someone who has everything? Check out

Access Micro, which stocks tons of items ranging from T1 routers to complete desktop systems. The help desk and hardware guide provide aid to first-time visitors, and the clearance area offers returned items and old inventory for below wholesale cost.

www.applied-computer.com

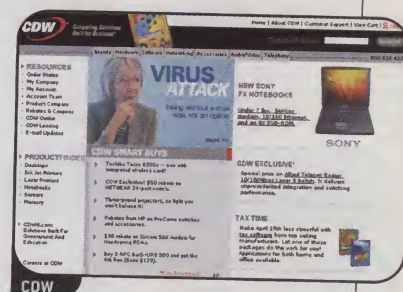
Selling PCs and supplies since 1984, **Applied Computer** promises to beat any advertised price. The company features an 80,000-product inventory—check the site's list of the 1,000 most popular ones. Beware of the handling fee tacked onto orders under \$200.

blackbox.com

Get connected! Specializing in network products, **Black Box's** extensive 900-page catalog of storage, cabling, and surge-protection products—plus other connectivity accessories—can be viewed online or off.

buy.com

Among the products offered on this monstrous, multifaceted site are computers, electronics, books, and movies. **Buy.com** sells a whopping 850,000 items and offers a price-matching policy on most of them.



cdw.com

CDW offers an enormous array of hardware and software. Create side-by-side comparisons in many product categories, and search out dollar-saving deals on the rebates-and-coupons page.

compgeeks.com

Revenge of the nerds, indeed! Shop the **Computer Geeks Discount Outlet** for new, discontinued, and refurbished computer gear. It's a trove for the do-it-yourselfer piecing together a desktop system. The site features low prices and complete specs on every product.

compuplus.com

Comp-U-Plus offers top-of-the-line customer service, including a 30-day money-back guarantee and free technical support. Its catalog isn't earth-shattering in scope, but plenty of name brands are represented, and prices are reasonable.

compusa.com

The well-organized **CompUSA** rounds out the usual selection of PC hardware, peripherals, and accessories with areas devoted to electronics and gadgets. The frugal won't want to overlook the site's outlet section.

computergate.com

In business since 1991, **Computer Gate** offers a 30-day satisfaction return policy on its products, which include peripherals and built-to-order PCs. Check out the Quick Index: You'll never have to poke around for the right product again.

computers4sure.com

The 19 well-stocked departments at **Computers4Sure.com** include networking equipment, projectors, PDAs, scanners, and more. Bargain hunters can quickly sniff out deals on the Special Offers and Clearance pages.

COMPUTER SHOPPER

MAY

dealnews.com

Deal yourself in! A lot of sites highlight shopping deals around the Net, but **Dealnews** is head and shoulders above the rest. The site is an independent buyer's guide that reports on low-price deals from Web stores and, occasionally, retail merchants.

Much of the site's success can be attributed to the visitors themselves, who share the deals that they unearth. The offers they discover range from tempting (for instance, we found a 19-inch monitor for \$253) to nearly impossible to turn down. (How about a new scanner for \$15, or a free spindle of CD-Rs?)

Updated daily, **Dealnews** focuses primarily on computer products, arranged in categories such as storage, peripherals, and software. The site also offers a smattering of nontech categories, such as movies, travel, and home products. Check the Top Reader Picks list to see the most popular offers.

The best deals can often be found in the Dealnews Basement, which lists products without manufacturer warranties. Often refurbished and without available technical support, these products should be left to the most frugal—and adventurous—shoppers.

Dealnews' two sister sites are also worth a look. **Dealmac** (www.dealmac.com) offers the same features, but focuses exclusively on Macintosh products. And **Dealchat** (www.dealchat.com) is a message board for discussing the Net's best steals and too-good-to-be-true deals.

APRIL

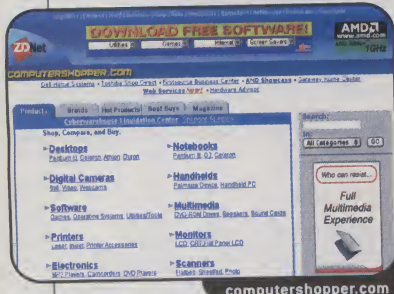
CyberRebate.com www.cyberrebate.com

MARCH

CD Post www.cdpost.com

computershopper.com

Computer Shopper's own piece of cyberspace, **computershopper.com**, provides access to product reviews, interactive guides to choosing a desktop or a notebook, and How to Buy sections for the most popular product categories.

**www.computersurplusoutlet.com**

You're just crazy enough to build your own desktop system, aren't you? Then you'll feel right at home at **Computer Surplus Outlet**, where you'll find close-outs, overstocks, refurbished equipment, and liquidation items. You can even stumble upon the occasional assembly-required Pentium system for less than \$100.

crucial.com

One of the largest providers of memory upgrades on the Web, **Crucial Technology** offers nearly 50,000 upgrade options for 10,000 computer systems. The site's Memory Selector helps buyers find the right product, and

the company backs its memory with a lifetime warranty.

cyberrebate.com

Every product at **CyberRebate.com** comes with a rebate. The diverse catalog includes computer hardware, electronics, health and beauty items, and toys. Thousands of products have a 100 percent rebate, making them free—but you'll have to wait about 14 weeks for the rebate check.

cyberwarehouse.com

If you can't pass up a bargain-basement sale (and don't mind waiting a few days for your item to ship), **CyberWarehouse** is definitely for you. The site offers a small selection of PCs, monitors, and peripherals.

dalco.com

Dalco Electronics stocks everything from motherboards to monitors, ships them the day you order, and includes a 30-day guarantee. Bargain hunters will want to start with the specials found on the home page, which change regularly.

dartek.com

With a roster of more than 100,000 products, **Dartek** peddles an impressive selection of hardware, software, networking equipment, and office furniture. Well-designed features include printable spec sheets, customers' product ratings, a product-watch feature, and a frequent-buyers' club.

**SITE REVIEWS****dirtcheapdrives.com**

If you can store data on it, this site sells it. **Dirt Cheap Drives** offers hard drives, CD-ROM and DVD hardware, and drive arrays, with detailed technical information about each product. This decade-old company also stocks mounting kits, media, and accessories.

www.discmarket.com

CD duplication is the name of the game at **The Disc Market**. The site sells CD duplicators and CD printers, as well as a wide variety of blank CD-Rs. Plus, you'll find jewel boxes, sleeves, and other jackets for CD storage and mailing.

ecost.com

The **eCost.com** catalog spans the full range of PC hardware and software, including ready-to-use systems, peripherals, accessories, and applications. The site features personalized product recommendations and fastidious organization.

egghead.com

Egghead.com shoppers can browse the site's hardware, software, office-product, and electronics superstores. Corporate users will find volume pricing, leasing information, and software licensing in the business center.

electrified.com

Need a serious bargain? **Electrified Discounters** specializes in products that are discontinued, second-inventory, refurbished, off-lease, or otherwise past their prime. Systems range from new Pentium II laptops to under-\$200 used 486s. (Wear your sunglasses, however—this site is so garish it can be difficult to navigate.)

www.firstsource.com

Focused on the technology needs of businesses, **Firstsource** offers a broad range of choices in computer hardware, rack-mount systems, network tools, phone systems, wiring, and software.

globalcomputer.com

Global Computer Supplies features same-day shipping on a Godzilla-size selection of PC components, accessories, software, furniture, and media. "Showrooms" highlight products from featured manufacturers. Watch out for the 15 percent restocking fee on nondefective returns, though.

gogocity.com

You'd think **GoGoCity.com** would be the one-stop shop for knee-high boots, hot pants, and all things "gogo." Not so fast, slick. This site actually features desktop and notebook computers, peripherals, software, and accessories. The strangely diverse product categories also include children's items and interior-decoration products.

**insight.com**

With more than 110,000 items for sale, **Insight** offers an impressive catalog of hardware and software. Customized sites are available for shoppers in the United States, Canada, the United Kingdom, and Germany.

www.jandr.com

Hardware, software, home-office products, and appliances abound at **J&R Computer World**, the New York City-based superstore famed for its selection and, ahem, "brusque" service. Avoid the attitude with this online version, which specializes in cameras—both digital and traditional film models. Product help is available via e-mail, online chat, and phone.

laptoptravel.com

Laptop Travel is road-warrior heaven! The site sells portable-computing and international-travel gear, including electrical adapters, modem converters/couplers, and security accessories. You'll find traditional and "camouflaged" laptop carrying cases, laptop RAM, and storage add-ons.



SITE
REVIEWS**mcglen.com**

McGlen Micro's specialized searches can help you find memory and other accessories compatible with your computer, printer, or copier. With the Build-To-Order Configurator, shoppers can design a custom system, which the company will configure and ship to you in two days.

name-brand computers. The site also sells processors, motherboards, hard drives, heat sinks, and more for intrepid system builders.

memory4less.com

Memory4Less.com offers low prices on a wide variety of RAM, including older types you may have been pulling your hair out to find. If you don't know the memory requirements of your computer or digital camera, this site will clue you in.

microx-press.com

MicroX-Press offers detailed information about most products, as well as a handy feature that will send you an e-mail whenever a product's price drops below a limit you set. Customers are invited to rate and review products they've tried.

www.mobile-mania.com

Don't freak out, kids! Cut back on the sugar intake, and head over to **Mobilemania.com**, where digital cameras, e-mail devices, PDAs, cases, and adapters of all sorts are available for folks on the go.

mobileplanet.com

MobilePlanet is home to a gaggle of high-tech tools and toys for mobile professionals. The selection includes handheld and notebook computers, PDAs, wireless-communication products, and travel-size printers and scanners.

motherboards.com

With a wide selection of motherboards from nine manufacturers, do-it-yourselfers can handpick the perfect innards for their new PCs at **Motherboards.com**. Customers can post product reviews, ding those models that just don't live up to the hype.

www.mwave.com

In addition to PC systems and peripherals, **Multiwave Direct** stocks notebook accessories, videoconferencing equipment, and network tools. Top sellers, "blowout specials," and rebate forms are a click away from the home page.

neutronet.com

Neutron carries thousands of computer systems and peripherals from nearly 400 manufacturers and distributors. A handy toolbox offers easy access to best buys, help for first-time buyers, and a massive manufacturer directory.

notebooksuperstore.com

Devoted exclusively to portable computers, **NotebookSuperStore.com** sells more than 100 different laptop models from nine manufacturers. You'll see technical details about each model, and a comparison tool helps you zero in on the best portable for your needs.

onvia.com

Onvia.com, a business-to-business computer outlet, offers a handful of features that distinguish it as a small-business resource, including a services marketplace, buying guides, and active community forums.

outpost.com

Outpost.com offers free overnight delivery on orders over \$100, and flat-rate delivery on smaller orders. The site

sells a wide selection of computer hardware and software, personal electronics, and office products.

palmgear.com

Users of handhelds will appreciate the extensive selection of free and commercial programs downloadable from **PalmGear HQ**. Shoppers can buy PDA hardware and accessories, including carrying cases and hip, fashion-forward styli. Sign up for an e-mailing list to receive information about new software, news, and user tips.

pcconnection.com

PC Connection offers nifty bargains on a colossal variety of PC and Macintosh products. Smart Selectors ease the searching process for shoppers looking for turnkey systems, cameras, printers, monitors, or memory to fit specific guidelines.

**mediasourceinc.com**

Media Source is obsessed with storage media. This single-minded site sells CD-Rs, bulk floppies, optical discs, Zip disks, Jaz disks, DATs, and tons more. The selection of writable CDs includes brand-name and generic disks, business-card CD-Rs, and printable media.

megahaus.com

MegaHaus bills itself the "drive authority," offering a wide variety of storage solutions, including hard drives, DVD drives, RAID arrays, and CD-mastering products.

mei-microcenter.com

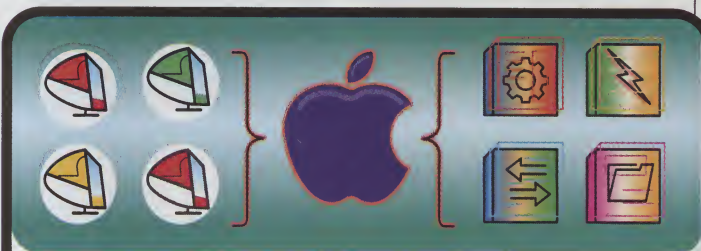
MEI-Micro Center offers new and refurbished desktops from Compaq, eMachines, Hewlett-Packard, and PowerSpec. You'll also find a small selection of peripherals. Rummage through the bargain bin for deals on closeouts, refurbished units, and overstocks.

memman.com

All of the desktop and laptop memory sold at **Memory Man** carries a lifetime warranty, and the site's reference guide offers RAM-configuration info for all



ILLUSTRATION BY HANK OSUNA

MACINTOSH HARDWARE
AND SOFTWARE**www.club-mac.com**

Join the club! **ClubMac's** selection of Macintosh hardware, peripherals, and software is hard to beat. Click the tabs to zoom in on USB or IEEE 1394 (FireWire) add-ons, then pick your Mac model from the menu for a list of compatible RAM.

hyperarchive.lcs.mit.edu

The **Info-Mac HyperArchive** isn't the prettiest site on the Net, but it is the definitive trove for Macintosh shareware and freeware. Files are painstakingly categorized, and each download includes a descriptive abstract, usually written by the programmer.

macworks.com

MacWorks sells new and refurbished Macintosh computers, peripherals, and accessories. You can get a sleek new G4 Cube, or a logic-board upgrade for your older Mac. The Clearance Items page offers odds and ends any Mac addict would love.

smalldog.com

Small Dog Electronics sells new, used, and refurbished Macintosh computers and accessories. The computer selection consists primarily of speedy G4 systems and iMacs, but budget shoppers will find very inexpensive older models.

SITE
REVIEWS**pcmall.com**

Shoppers at **PC Mall** receive free lifetime technical support on the site's vast selection of computers, hardware, and software. The site's business-solutions forum offers corporate leasing and volume pricing. Apple-heads can find all their favorite Macintosh products at the **Mac Mall** sister site (www.macmall.com).

**provantage.com**

Provantage offers PC products from more than 1,000 manufacturers, including a large selection of books and training materials. The site's Personal Tracking List feature lets customers build a list of product bookmarks, then monitor prices and availability.

**shopper.cnet.com**

The **CNET Shopper** search engine takes the guesswork out of finding a deal on hardware, software, and accessories. The site tracks the prices of more than 200,000 products in 100 stores. (CNET Networks is *Computer Shopper's* parent company.)

pczone.com

PC Zone carries an impressive selection of all things PC. You'll find links to a clearance area and other stores: **Mac Zone** and **Electronics Zone**. Printable rebate coupons can save you some cash.

LINUX HARDWARE AND
SOFTWARE**elinux.com**

Seek and ye shall find at **eLinux**, which features 42,000 hardware and software products. The site is so serious about Linux, many of its desktop and notebook systems don't come bundled with that "other" OS. Features include Linux news and a community forum.

lhd.zdnet.com

Will that beautiful new laptop run Linux? How about that bargain-basement peripheral? Find out with the **ZDNet Linux Hardware Guide**. Here, users share their experiences regarding which hardware works with Linux (and which doesn't). If it does, you can download a compatible driver and put it to work. (ZDNet is owned by CNET Networks, *Computer Shopper's* parent company.)

linuxcentral.com

Linux-friendly hardware, commercial software, and operating system CD-ROMs are in stock at **Linux Central**. Plus, you'll find a selection of Linux-touting T-shirts, hats, and ties so you can show off your alternative tendencies in public.

linuxmall.com

Visit a mall filled with fun-loving penguins. **LinuxMall.com** peddles Linux-ready hardware, software, and books. You can also choose from various versions of Linux on CD-ROM for quick and painless installation.

thelinuxstore.com

TheLinuxStore carries a small selection of hardware and software that's compatible with the popular alternative operating system. In the community area you'll find Linux news, free downloads, and Web links.

shoppingplanet.com

Do-it-yourselfers will appreciate **Shopping Planet's** inventory of bare-bones systems, add-on cards, and kits. A section of the site specializing in software and hardware for the Linux operating system is available at www.shoppingplanet.com/cm/linux.asp.

sparco.com

Looking for that something extra? Check out **Sparco.com's** list of products that come bundled with "free stuff." The site stocks more than 130,000 products, and it offers a list of discounted items for students and faculty members of academic institutions.

spiderglass.com

SpiderGear offers new and refurbished computers, cameras, home audio and video products, and car audio items and appliances. A \$10 optional membership entitles you to reduced prices and an annual rebate.

www.ssdonline.com

At **State Street Direct**, shoppers will discover a huge selection of computers and imaging products. Digital-camera shoppers will find many items of interest, including a gallery for comparing images taken with various cameras.

staples.com

Yeah, they got that. **Staples'** Web site offers a liberal price-matching policy on computer accessories, software, and office supplies. If you order similar items often, you can set up personalized shopping lists. The company can occasionally take its time shipping items out to you, though, so beware.

2for1inkjet.com

Searching for incredible deals on printing supplies? Check out **2 For 1 Inkjet**, which offers two-for-one prices on toner and ink cartridges for every brand of inkjet and laser printer, copier, and fax machine. The company offers free shipping on larger orders.

3re.com

If you can tolerate hand-me-downs to save some bucks, check out **3Re.com**, which repairs and repackages factory-retained computers and electronic equipment. Offerings include desktops, notebooks, printers, monitors, network equipment, and software.

tccomputers.com

In business since 1988, **TC Computers** sells fully configured systems, motherboards, and name-brand peripherals. The company's specialty is motherboards; buyers can choose to have motherboards and processors pre-assembled and tested for no extra charge.

tcwo.com

Thompson's Computer Warehouse Outlet Center offers only a small selection of computer products. You may find only a dozen monitors or four CD-ROM drives, but the prices are fantastic.

techstore.com

TechStore.com offers hardware in dozens of categories and highlights monthly top sellers. The site also sells a wide range of software—everything from Microsoft productivity suites to children's titles.

**thortek.com**

A wide array of computer accessories awaits **ThorTek** shoppers. The site provides quick links to the "top 5" products in several categories, including hard drives, monitors, digital cameras, and CD-RW drives.

tigerdirect.com

TigerDirect's site offers 46,000 products, including custom-built computers that are tested and shipped within 48 hours. Up for a little adventure? Order a build-it-yourself custom PC kit, and let the fun begin!

trueataonline.com

True Data Technology stocks an exceptional catalog of motherboards, hard drives, and other upgrades. The site also features communication essentials for businesses, including DSL equipment and telephony products.

www.usbstuff.com

USB Stuff specializes in Universal Serial Bus-equipped gadgets, including

digital cameras, CD-RW drives, printers, modems, hubs, and input devices. Uh-oh: Poor site design makes navigation difficult. A sister site at www.firewirestuff.com stocks IEEE 1394-compatible hardware.



usedcomputer.com

Used Computer Mall is a marketplace for, you guessed it, used computer equipment. Shoppers can list hardware to sell, or look for items to buy using the free classified ads. The site will also help you appraise equipment.

warehouse.com

The four "warehouses" under MicroWarehouse's roof sell PC hardware, Mac products, datacomm components, and supplies. The site accepts corporate, educational, and government accounts, and offers business leases on many products.

PC DIRECT VENDORS

www.alienware.com

Alienware won't abduct your pets, but the company can build you a high-end

gaming machine, desktop video system, or high-performance workstation. Cases are available in a rainbow of out-of-this-world colors.

buyabs.com

Exceptional customer support on custom-configured desktop and notebook systems is the goal at **ABS Computer Technologies**. All systems include a 30-day money-back guarantee. Some computers are available with Linux preinstalled.

buy-atlas.com

Atlas Micro offers desktop PCs built around Pentium, Celeron, and AMD processors. Buyers can use drop-down menus to build a custom configuration and are protected by a reasonable 30-day return policy.

compaq.com

Three arms of **Compaq Computer's** site offer computers for everyone. See the Compaq AtHome division (athome.compaq.com) for home and home-office systems, DirectPlus (www.directplus.compaq.com) for business PCs and servers, or the Compaq Factory Outlet Superstore (compaqfactoryoutlet.com) for big bargains. The site allows shoppers to test-drive Compaq systems running various operating systems.

csd.toshiba.com

Here's the Web home for **Toshiba's** stylish portables and desktop systems. The site's build-to-order system doesn't offer as many options as some other sites do, but it does offer plenty of extended-warranty and lease options.

SITE REVIEWS

cyberpowerinc.com

Each **CyberPower** PC includes a three-year warranty and 30-day money-back guarantee. The site's service area includes downloadable drivers and lifetime tech support.

dell.com

Dell Computer's electronic storefront has always led the way in terms of ease of use. The site is jam-packed with detailed information that makes it a snap to match a machine to your needs. Each system is configurable to the nth degree via drop-down menus, and you can get quick access to online support customized for your PC.

www.fosa.com

Fosa's built-to-order notebook computers include a 15-day money-back guarantee with no restocking fee and lifetime technical support. We just wish the site didn't depend so heavily on the Macromedia Flash plug-in. Sheesh!

www.fujitsu-pc.com

Fujitsu's site focuses on portable computing, including notebook PCs and pen-based tablet computers. Each computer includes several warranty options. A trade-in program offers cash back on your old computer when you upgrade to certain models.

gateway.com

One of the biggest players in online computer sales, **Gateway's** enormous and informative site sells custom-built desktops and portables, delivering them on time 98 percent of the time, according to BizRate.com.

hpshopping.com

At this site, **Hewlett-Packard** sells its lines of desktop and notebook computers, handhelds, PDAs, digital cameras, and printers. Business leases are available, and the site makes repeat purchases easy for businesses and individuals.

ibm.com/shop

ShopIBM sells business and home computers, notebooks, servers, thin clients, networking equipment, and peripherals. The build-to-order option allows buyers to customize a new desktop PC. Linux is an option on laptop models.

idot.com

From low-cost budget models to powerful monster machines, **iDot** offers customized desktop and notebook computers with a good return policy.



kaypro.com

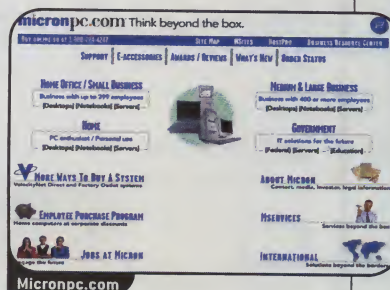
You can design your own Pentium desktop system at **Kaypro**, but the custom configurator doesn't offer as much flexibility as we'd like. The site's notebook area carries a selection of Fujitsu portables.

microexpress.net

Micro Express offers built-to-order desktop and notebook computers featuring AMD and Intel processors. Each system includes a 30-day guarantee and a two- or four-year warranty. Business leases are available.

micronpc.com

One of the largest direct PC vendors, **Micronpc.com** sells computers to home-office users, larger businesses, government buyers, and buyers outside the United States. The Factory Outlet offers refurbished and discontinued systems.



www.mwmicro.com

Go Midwest, young man. **MidWest Micro** offers down-home, custom-configured desktops, servers, and notebook systems. The site's Service Center is exemplary, with a troubleshooting knowledge base and driver downloads that cater to your particular system.



SITE
REVIEWS**nutrend.com**

Custom-configure a home or business desktop PC at **NuTrend Computer Products**. The company stocks a wide selection of machines running your choice of Intel or AMD processors. Each system comes with a three-year warranty.

**www.polywell.com/
onlinestore**

Polywell Computers may not be a household name, but the company offers desktops, workstations, and servers that are worth a look. You'll find lots of custom-configuration options. You can even buy your system preloaded with three operating systems: Windows Me, Windows NT, and Linux.

sagernotebook.com

Specializing in notebook computers, **Sager** offers a variety of options, from budget machines to speedy multimedia units. Service includes a 72-hour repair-turnaround guarantee and lifetime free tech support. Business leases are available.

shopprostar.com

Each computer in **ProStar Computer's** line of notebook PCs is backed by a 30-day money-back guarantee, a speedy-repair promise, and free tech support. The handy comparison tool helps buyers zero in on the best model for their needs.

sonystyle.com

SonyStyle sells Sony's line of VAIO desktops and notebooks, plus digital cameras, displays, and storage devices. The Xtras Direct section of the site carries add-ons for PCs, digital cameras, and other equipment.

store.apple.com

Apple Computer's online store looks just like an iMac, all shiny and clean. This well-designed site allows you to custom-configure any Macintosh computer and offers a wide array of Mac-compatible software and accessories. Beware the one-click ordering feature, however—using it may be a bit too convenient for impulse buyers!

www.tiny.com

Britain's favorite direct computer seller is now targeting us Yanks. **Tiny Computers'** line of prebuilt desktop and notebook PCs includes models for professionals and first-time buyers.

unitedmicro.com

United Micro offers a unique degree of configurability with its desktop and server PCs. Choosy shoppers can, for instance, pick the motherboard model and brand of cooling fan. You can see pictures of each component before you build the system.

www.winbook.com

Focusing exclusively on portables, **WinBook Computer** offers machines with a 30-day money-back guarantee, a one-year warranty, and free technical support. Ironically, some of the site's best deals, the daily "Web specials," can only be ordered by phone.

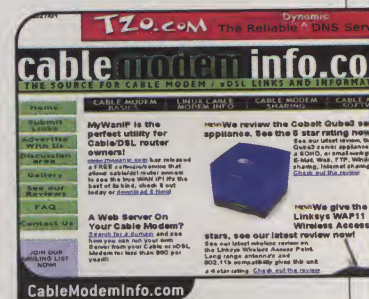
**xicomputer.com**

Xi Computer offers high-performance workstations for CAD professionals, Linux aficionados, and other power users. Desktops feature your choice of Intel or AMD processors, including powerful gigahertz and dual-processor systems.

PC RESOURCES

cablemodeminfo.com

CableModemInfo.com serves up reviews of cable-modem and DSL hardware, plus tips on sharing a modem between PCs. The site can help you find a cable-ready ISP in your area.

**dailye-deals.com**

DailyeDeals' coupon pages offer codes that will instantly shave \$5 to \$40 off the bottom line at major online retailers. The First Time area links to substantial discounts for first-time customers.

dcresource.com

The **Digital Camera Resource Page** is an unbiased, comprehensive source of information for digital-camera buyers and owners. Shoppers can glean necessary info from the FAQ page, buyer's guide, message boards, and reviews.

dealttime.com

DealTime.com is an independent comparison-shopping service. The site aggregates prices from hundreds of online merchants, auctions, and classified sites. Also, 21st-century shoppers can compare prices by cell phone or wireless PDA, thanks to the site's mobile service.

www.epubliceye.com

Watchdog **ePublicEye.com** serves up a rating site that helps shoppers choose online businesses that deliver the best customer service. Available in six languages, the site employs "secret shoppers" who patronize Internet businesses, conducting audits and rating the service of each.

CREDIT AND CREDIT CARDS

americanexpress.com/blue

The first "smart" credit card to be offered in the United States, the **American Express Blue** card is embedded with a chip that, combined with a special card reader that hooks to your PC, increases security for online transactions. Paperless billing allows you to receive and pay bills online.

asque.com/credcard.htm

Which credit card is right for you? Check the **Credit Card Rates Guide**, a database of 225 cards. Sort them by lowest fees, best introductory rates, and geographic availability, or look for cards offering special features like frequent-flyer miles.

bankrate.com/brm/rate/cc_home.asp

Bankrate.com is a must-visit site if you're shopping around for a credit card. Tell the site your priority—such as best deals for balance transfers or cash advances—and it will build a customized list of cards that suit your needs.

cardweb.com

We'll give credit where it is due: **CardWeb.com** is a fantastic site, offering info on card rates, tips on choosing and using credit cards, and news of interest to anyone who uses plastic. Take your questions to the message board for expert answers.

creditinfocenter.com

The **Credit Info Center** is home to tons of information about credit, including tips on repairing your credit, protecting yourself from identity theft, and understanding credit reports.

www.pocketcard.com

PocketCard is a debit card for teens. Parents preload the card with money online, and the juvenile cardholder can spend the money online or off. When kids use the card to make a purchase, parents receive instant e-mail notification.

qspace.com

Check your credit report at **QSpace.com**. Get an instant credit report online (including your "personal credit score," information that was hidden from consumers until recently) for \$11.90, or a comprehensive report by mail for \$29.95.

expertcity.com

Expertcity.com promises live, 24-hour computer assistance from real human beings. When you pose a question, experts across the Internet bid for your business. Read their profiles, compare prices, then choose the expert you like.

56k.com

See **56K.com** for a primer on 56kbps modems, a price shopper for buying a modem at the best price, and downloads of the latest firmware. Read the special report on the new V.92 modems.

www.ftc.gov

The **Federal Trade Commission's** Web site is packed with useful information about consumer fraud and how to avoid it—online and off. Articles address online auctions and how to protect yourself when shopping on the Net.

goomez.com

Gómez.com offers ratings and customer reviews of e-commerce sites in two dozen categories, ranging from Web-based computer stores to drug-stores, apparel vendors to online brokers. Check the ratings on ease of use, customer confidence, and cost.

motherboards.org

Motherboard HomeWorld is packed with motherboard news, reviews, specifications, and tips. Its comprehensive database of 1,200 products includes driver information, technical details, and overclocking hints.

nextag.com

NexTag is a sophisticated buying service that can help frugal shoppers find the lowest possible prices on computer equipment, electronics, books, music, and videos. Entering your ZIP code allows NexTag to calculate shipping and tax for accurate pricing.

sage boards, software downloads, news, and product reviews.

pricepda.com

PricePDA.com is a price-comparison engine for buyers of personal digital assistants, accessories, and software. Users can access the site anywhere via WAP-enabled cell phones.

rammatters.com

RAM Matters humorously explains how adding memory to your computer will make you more productive. You'll get help in determining the type of memory your computer requires, as well as installation tips.

scambusters.com

Busted! **Internet ScamBusters** is a site and newsletter aiming to help Net users avoid getting cheated. Each newsletter focuses on the latest scams to make the rounds.

techsupportalert.com

Help! I need somebody! **Tech Support Alert** helps computer users locate the best technical-support information on the Net. You'll find reviews of free and pay-for-support sites, plus how-to guides for Windows users.

usb.org

Check **USB.org** for technical information about the Universal Serial Bus, as well as answers to frequently asked questions and information about devices that use it. You'll find information for end users as well as developers.

windrivers.com

WinDrivers.com is a comprehensive archive of drivers and DLL files for hard drives, sound cards, scanners, and other hardware. The site also provides links to antivirus updates and BIOS upgrades.

SOFTWARE SITES**accountingshop.com**

The **Accounting Shop** focuses on accounting software. Shoppers can choose from an extensive catalog of high-end, midrange, and small-business packages, and get rebates when upgrading from QuickBooks or Peachtree software.

SITE REVIEWS**atomicpark.com**

AtomicPark.com specializes in business software, offering free shipping on all orders. Categories include voice-recognition software and fax apps.

beyond.com

Beyond.com presents software for PC, Mac, and PDA users. In addition to traditional boxed titles, the site sells downloadable software from major publishers and a respectable selection of computer hardware. (CNET Networks, *Computer Shopper's*

**SPORTS AND OUTDOOR PRODUCTS****fogdog.com**

Sports enthusiasts will appreciate **Fogdog**, a site that carries countless sporting goods, including equipment, apparel, and sports-medicine items. Just choose your game—from badminton to wakeboarding—to see the appropriate gear. A group-sales area has custom uniforms and equipment for schools and leagues.

www.gigagolf.com

Golf lovers will want to putt on over to **GigaGolf**, which builds customized clubs with the head, grip, and shaft of your choice.

kid-e-sport.com

Kids just wanna have fun, and **Kid-e-Sport** wants to help. This site sells kid-size sporting goods. From martial arts to gymnastics to tennis, the company's got the gear for your little enthusiasts. The Learning Center section has 1,500 articles and lessons related to kids and sports.

nashbar.com

Bike Nashbar will make biking fanatics salivate—the site offers every conceivable gadget for tricking out your bicycle. The selection includes clothing, helmets, and countless parts for fix-it-yourselfers.

rei.com

Camping, hiking, climbing, and paddling—whatever your passion, **REI** sells sports gear and goods for you. This Web store's diverse selection includes everything from vehicle racks to casual dresses. The outlet area, **Rei-Outlet.com**, offers fantastic prices on name-brand merchandise.

sportchalet.com

You got game? **Sport Chalet** sells gear and accessories for innumerable sports and fitness activities. The catalog includes extreme sports, in-line skating, and golf, among other categories. Also check in for buyer's guides, sizing charts, and pro tips.

www.sportsmansguide.com

Covering camping, archery, hunting, and fishing, **The Sportsman's Guide** sells the paraphernalia you'll need for your next outdoor trek, as well as government-surplus merchandise. In business for more than 30 years, the company backs sales with a satisfaction guarantee.

**pdastreet.com**

PDastreet.com, a resource for users of Palm, Windows CE, Psion, and Visor personal digital assistants, offers mes-

SPARTAN TECHNOLOGIES, INC.

UPGRADES FOR THE NEXT MILLENNIUM

MOTHERBOARDS

ABIT-	www.abit-usa.com	SKU	CPU	PCI	ISA	AGP	MEM	STYLE	PRICE
ABVL6	SOCKET 370	5	1	1	3/168	ATX	\$84		
ABX133-RAID	SOCKET 370	5	1	1	3/168	ATX	\$122		
ABSL6	SOCKET 370	6	CNR	1	3/168	ATX	\$123		
ABKA7	SOCKET A	6	1	1	4/168	ATX	\$125		
ABBEII-RAID	SLOT 1	5	1	1	3/168	ATX	\$125		
ABSE6	SOCKET 370	6	CNR	1	3/168	ATX	\$133		
ABKT7	SOCKET A	6	1	1	3/168	ATX	\$134		
ABSH6	SLOT 1	6	CNR	1	3/168	ATX	\$136		
ABKA7-100	SOCKET A	6	1	1	4/168	ATX	\$139		
ABKT7A	SOCKET A	6	1	1	3/168	ATX	\$147		
ABKT7-RAID	SOCKET A	6	1	1	3/168	ATX	\$152		
ABSA6R	SOCKET 370	6	CNR	1	4/168	ATX	\$152		
ABVP6	DUAL 370	5	1	1	4/168	ATX	\$155		
ABKT7A-RAID	SOCKET A	6	1	1	3/168	ATX	\$162		
ASUS	www.asus.com	SKU	CPU	PCI	ISA	AGP	MEM	STYLE	PRICE
ASP3V133	SLOT 1	4	3	1	3/168	ATX	\$92		
ASCUV4X-C	SOCKET 370	5	1+AMR	2/168	ATX	\$96			
ASCUV4X	SOCKET 370	5	1	1	3/168	ATX	\$109		
ASP3V4X	SLOT 1	6	1	1	4/168	ATX	\$112		
ASCBX-E	SOCKET 370	6	1	1	4/168	ATX	\$112		
ASP3CE	SLOT 1	5	1	2/RIMM	ATX	\$112			
ASA7PRO	SOCKET A	5	1+AMR	3/168	ATX	\$117			
ASCUSL2-C	SOCKET 370	6	2CNR	1	3/168	ATX	\$119		
ASA7V-WOA	SOCKET A	5	1+AMR	3/168	ATX	\$139			
ASCUSL2	SOCKET 370	6	2CNR	1	3/168	ATX	\$139		
ASCUV4X-V	SOCKET 370	5	1	1+AMR	3/168	ATX	\$141		
ASA7V133	SOCKET A	4	1+AMR	3/168	ATX	\$147			
ASCUV4X-D	DUAL 370	5	1	1	4/168	ATX	\$156		
ASA7M266	SOCKET A	4	1+AMR	2DDR	ATX	\$189			
ASP4T	P4	5	1	1	4/RIMM	ATX	\$197		
ASP2BD	DUAL SLOT 1	4	2	1	4/168	ATX	\$264		
ASCUV4X-DLS	DUAL 370	5	1	1	4/168	ATX	\$312		
ASP3CD	DUAL SLOT 1	5	1	1	3/RIMM	ATX	\$359		
ASP3CS	SLOT 1	5	1	1	2/RIMM	ATX	\$392		
ASP3CLS	SLOT 1	5	1	1	2/RIMM	ATX	\$454		
ASCUR-DLS	DUAL 370	7	1	1	ASMS	4/168	ATX	\$664	
FIC	www.fica.com	SKU	CPU	PCI	ISA	AGP	MEM	STYLE	PRICE
FICVA-503+	SOCKET 7	3	3	1	3/168	AT	\$69		
FICFA13	SOCKET 370	5	2	1	3/168	ATX	\$76		
FICFA11	SOCKET 370	5	2	1	3/168	ATX	\$80		
FICFB11	SOCKET 370	5	2	1	3/168	ATX	\$82		
FICAZ11	SOCKET A	5	1	1	3/168	ATX	\$87		
FICAZ11E	SOCKET A	5	1	1	3/168	ATX	\$93		
FICAD11	SOCKET A	5	1	1	1+CNR	2DDR	ATX	\$162	
intel	www.intel.com	SKU	CPU	PCI	ISA	AGP	MEM	STYLE	PRICE
INVC820WA	SLOT 1	5	1	1	AMR	2/RIMM	ATX	\$41	
IND815EEA	SOCKET 370	5	1	1	CNR	3/168	ATX	\$126	
IND815EEAL	SOCKET 370	5	1	1	LAN	3/168	ATX	\$136	
IND850GB	P4	5	1	1	4/RIMM	ATX	\$209		
IND850GBAL	P4	5	1	1	LAN	4/RIMM	ATX	\$229	
MICROSTAR	www.msi.computer.com	SKU	CPU	PCI	ISA	AGP	MEM	STYLE	PRICE
MIC815EPRO	SOCKET 370	6	CNR	4/168	ATX	\$99			
MICK7TPRO2-A	SOCKET A	6	1+CNR	3/168	ATX	\$105			
MIC815EPROR	SOCKET 370	6	1+CNR	4/168	ATX	\$117			
MICK7TTURBO	SOCKET A	6	1+CNR	3/168	ATX	\$122			
MICK7TPRO-100	SOCKET A	6	1	1	3/168	ATX	\$124		
MIC694DPRO-AR	DUAL370	5	1	1	1+CNR	4/168	ATX	\$127	
MICK7TTURBO-R	SOCKET A	6	1	1	1+CNR	3/168	ATX	\$137	
MIC850PRO	P4	5	1	1	1+CNR	4/RIMM	ATX	\$199	
MICK7TMAST	SOCKET A	6	1	1	1+CNR	4/168	ATX	\$246	
GIGABYTE	www.giga-byte.com	SKU	CPU	PCI	ISA	AGP	MEM	STYLE	PRICE
GBGA-6VXE+	SLOT 1	5	2	1	3/168	ATX	\$81		
GBGA-7IXE	SLOT 1	5	2	1	3/168	ATX	\$81		
GBGA-6VXE7+	SOCKET 370	5	2	1	3/168	ATX	\$82		
GBGA-6VA7+	SOCKET 370	4	2	1	3/168	AT	\$82		
GBGA-6VX7-4X	SOCKET 370	5	1	1	3/168	ATX	\$82		
GBGA-7IXE4	SOCKET A	5	2	1	3/168	ATX	\$91		
GBGA-7ZM	SOCKET A	3	AMR	1	3/168	MATX	\$97		
GBGA-7ZX-1	SOCKET A	5	1	1+AMR	3/168	ATX	\$107		
GBGA-7ZX	SOCKET A	5	1	1+AMR	3/168	ATX	\$117		
GBGA-7ZXR	SOCKET A	5	1	1+AMR	3/168	ATX	\$146		
GBGA-6VXD7	DUAL 370	5	1	1	4/168	ATX	\$169		
GBGA-7DXC	SOCKET A	5	AMR	1	2DDR	ATX	\$172		
GBGA-7DX	SOCKET A	5	1	1+AMR	2DDR	ATX	\$199		
GBGA-8TX	P4	5	CNR	1	4/RIMM	ATX	\$214		

CPU'S

ALL CPU'S HAVE A 1 YEAR WARRANTY WHEN PURCHASED WITH A CPU FAN.

INTEL	CELERON-A FCPGA	566MHZ	128K	\$57
INTEL	CELERON-A FCPGA	600MHZ	128K	\$65
INTEL	CELERON-A FCPGA	633MHZ	128K	\$67
INTEL	CELERON-A FCPGA	667MHZ	128K	\$74
INTEL	CELERON-A FCPGA	700MHZ	128K	\$78
INTEL	CELERON-A FCPGA	733MHZ	128K	\$85
INTEL	CELERON-A FCPGA	766MHZ	128K	\$105
INTEL	CELERON-A FCPGA	800MHZ	128K	\$117
INTEL	PENTIUM III 133MHZ BUS	667MHZ	256K FCPGA	\$121
INTEL	PENTIUM III 100MHZ BUS	650MHZ	256K FCPGA	\$135
INTEL	PENTIUM III 100MHZ BUS	700MHZ	256K FCPGA	\$137
INTEL	PENTIUM III 133MHZ BUS	733MHZ	256K FCPGA	\$139
INTEL	PENTIUM III 100MHZ BUS	750MHZ	256K FCPGA	\$140
INTEL	PENTIUM III 133MHZ BUS	800MHZ	256K FCPGA	\$166
INTEL	PENTIUM III 100MHZ BUS	800MHZ	256K FCPGA	\$167
INTEL	PENTIUM III 100MHZ BUS	850MHZ	256K FCPGA	\$192
INTEL	PENTIUM III 133MHZ BUS	866MHZ	256K FCPGA	\$192
INTEL	PENTIUM III 133MHZ BUS	933MHZ	256K FCPGA	\$226
INTEL	PENTIUM III 133MHZ BUS	1000MHZ	256K FCPGA	\$246
INTEL	PENTIUM III 100MHZ BUS	1000MHZ	256K FCPGA	\$249
INTEL	PENTIUM III 100MHZ BUS	650MHZ	256K SECC	\$112
INTEL	PENTIUM III 133MHZ BUS	667MHZ	256K SECC	\$115
INTEL	PENTIUM III 100MHZ BUS	700MHZ	256K SECC	\$129
INTEL	PENTIUM III 133MHZ BUS	733MHZ	256K SECC	\$138
INTEL	PENTIUM III 100MHZ BUS	750MHZ	256K SECC	\$139
INTEL	PENTIUM III 100MHZ BUS	800MHZ	256K SECC	\$169
INTEL	PENTIUM III 133MHZ BUS	800MHZ	256K SECC	\$169
INTEL	PENTIUM III 100MHZ BUS	850MHZ	256K SECC	\$194
INTEL	PENTIUM III 133MHZ BUS	866MHZ	256K SECC	\$199
INTEL	PENTIUM III 133MHZ BUS	933MHZ	256K SECC	\$232
INTEL	PENTIUM III 100MHZ BUS	1000MHZ	256K SECC	\$262
INTEL	PENTIUM III 133MHZ BUS	1000MHZ	256K SECC	\$264
INTEL	PENTIUM 4 400MHZ BUS	1300MHZ	256K SOCKET423	\$329
INTEL	PENTIUM 4 400MHZ BUS	1400MHZ	256K SOCKET423	\$374
INTEL	PENTIUM 4 400MHZ BUS	1500MHZ	256K SOCKET423	\$574

SOUND CARDS

CREATIVE	www.creative.com	CLCT4815	SOUND BLSTR PCI ES4815 OEM	\$20
		CLCT4520	SOUND BLSTR AWE 64 ISA OEM	\$27
		CLCT4750	SOUND BLSTR PCI 128 OEM	\$29
		CLCT4832	SOUND BLSTR LIVE VALUE PCI OEM	\$47
		CLSLBLIVE5.10E	SOUND BLSTR LIVE OEM	\$61
		CLSLBLXG5.1R	SOUND BLSTR LIVE X-GAMER RETAIL	\$89
		CLSLBLMP3+5.1R	SOUND BLSTR LIVE MP3+ RETAIL	\$89
		CLSLBLPLAT5.1R	SOUND BLSTR LIVE PLATINUM RET	\$172

MEMORY

72-PIN EDO		
16MB	4X32 EDO	60NS \$22
32MB	8X32 EDO	60NS \$45
64MB	16X32 EDO	60NS \$43
128MB	32X32 EDO	60NS \$112
168-PIN LONG DIMMS EDO		
64MB	8X64	60NS 3.3VOLT \$82
64MB	8X72 (unbuffered)	60NS 3.3VOLT ECC \$92
64MB	8X72 (buffered)	60NS 3.3VOLT ECC \$107
128MB	16X64	60NS 3.3VOLT \$159
128MB	16X72 (unbuffered)	60NS 3.3VOLT ECC \$179
128MB	16X72 (buffered)	60NS 3.3VOLT ECC \$194
256MB	32X72 (buffered)	60NS 3.3VOLT ECC \$399
168-PIN LONG DIMMS SDRAM (66MHz)		
32MB	4X64	10NS \$13
64MB	8X64	10NS \$25
128MB	16X64	10NS \$44
168-PIN SDRAM PC100/133		
32MB	4X64	8NS \$11
64MB	8X64	8NS \$17
64MB PC133	8X64	7.5NS \$18
64MB	8X72	8NS \$21
128MB	16X64	8NS \$31
128MB PC133	16X64	7.5NS \$30
128MB	16X72	8NS \$42
128MB PC133	16X72	7.5NS \$41
256MB	32X64	8NS \$65
256MB PC133	32X64	7.5NS \$61
256MB	32X72	8NS \$74
256MB PC133	32X72	7.5NS \$74
512MB	64X72	8NS \$232
512MB PC133	64X64	7.5NS \$288
512MB PC133	64X72	7.5NS \$340
1024MB PC133	128X72	7.5NS \$899
DDR RAM PC1600/2100		
128MB	16X64	200MHZ \$86
128MB	16X64	266MHZ \$114
128MB	16X72	200MHZ \$97
128MB	16X72	266MHZ \$125
256MB	32X64	200MHZ \$168
256MB	32X64	266MHZ \$212
256MB	32X72	200MHZ \$181
256MB	32X72	266MHZ \$234

WE ALSO CARRY RAMBUS MODULES AND CORSAIR MICRO BRAND MEMORY

VIDEO CARDS

matrox		www.matrox.com	
MATG45016SDR	G450 16MB, SDR AGP OEM (DUAL)	\$67	
MATG45016DDR	G450 16MB, DDR AGP OEM (DUAL)	\$72	
MATG45032DDR	G450 32MB, DDR AGP OEM (DUAL)	\$97	
MATG45032DDRBOX	G450 32MB, DDR AGP RET(DUAL)	\$124	
ATI	www.atitech.com		
ATIRF16A	EXPERT RAGE AGP OEM VER 16MB	\$52	
ATIX200032A	EXPERT 2000 AGP OEM VER 32MB	\$52	
ATIX2KPRO32A	EXPERT 2000PRO AGP OEM VER 32MB	\$62	
ATIRADEL32A	RADEON LE AGP OEM 32MB DDR	\$87	
ATIRFPRO32ATV	RAGE FURY PRO AGP OEM 32MB W/TV	\$92	
ATIRADEON32A	RADEON AGP OEM 32MB DDR	\$96	
ATIRADVE32A	RADEON VE AGP OEM 32MB DDR DUAL	\$99	
ATIRFMAX64	RAGE FURY MAX AGP OEM 64MB	\$109	
ATIAIWPRO32A	ALL-IN-WONDER PRO AGP OEM 32MB	\$147	
ATIAIW12832A	ALL-IN-WONDER AGP OEM 32MB W/TV/153	\$153	
ATIAIW12832P	ALL-IN-WONDER PCI OEM 32MB W/TV	\$162	
ATIRADEON64A	RADEON AGP OEM 64MB DDR	\$175	
ATIAIWRAD32A	ALL-IN-WOND RADEON AGP OEM 32MB\$224	\$224	
STB	www.stb.com		
STB4500-32A	3DFX VOOODOO 4 AGP OEM 32MB	\$95	
STB4500-16ATV	3DFX VOOODOO 3 AGP OEM 16MB TV	\$144	
STB5500-64A	3DFX VOOODOO 5 AGP OEM 64MB	\$152	
ASUS	www.asus.com		
ASV710032A	GEFORCE-2 MX AGP 32MB	\$99	
ASV710032ATV	GEFORCE-2 MX W/TV AGP 32MB	\$109	
ASV71002VD	GEFORCE-2 TWINVIEW AGP 32MB	\$117	
ASV710032DEL	GEFORCE-2 MX COMBO AGP 32MB	\$171	
ASV7700P32A	GEFORCE-2 AGP 32MB DDR	\$177	
ASV7700DEL32A	GEFORCE-2 DEL AGP 32MB DDR	\$207	
ASV7700PROP64	GEFORCE-2 AGP 64MB PRO PURE	\$279	
ASV7700P64A	GEFORCE-2 AGP 64MB DDR	\$292	
ASV7700DEL64A	GEFORCE-2 DEL AGP 64MB DDR	\$327	
ASV7700ULTP64	GEFORCE-2 AGP 64MB ULTRA PURE	\$419	

SPARTAN TECHNOLOGIES, INC.

UPGRADES FOR THE NEXT MILLENNIUM

HARD DRIVES

IDE DRIVES

WESTERN DIGITAL www.wdc.com
ALL WESTERN DIGITAL IDE DRIVES LISTED HAVE A 3YR WARRANTY

MODEL#	CAP.(MB)	ACCESS/RPM	CACHE	FORM/HT	PRICE
WD100EB	10200	9.5MS/5400	2048K	3.5"/1"H	\$83
WD200EB	20000	9.5MS/5400	2048K	3.5"/1"H	\$92
WD200AB	20500	8.5MS/5400	2048K	3.5"/1"H	\$94
WD200BB	20000	9 MS/7200	2048K	3.5"/1"H	\$102
WD307AA	30700	9.5MS/5400	2048K	3.5"/1"H	\$105
WD400AB	40000	8.5MS/5400	2048K	3.5"/1"H	\$119
WD300BB	30000	9 MS/7200	2048K	3.5"/1"H	\$122
WD450AA	45000	9.5MS/5400	2048K	3.5"/1"H	\$136
WD400BB	40000	9 MS/7200	2048K	3.5"/1"H	\$142
WD600AB	60000	8.5MS/5400	2048K	3.5"/1"H	\$162

IBM www.ibm.com
ALL IBM IDE DRIVES LISTED HAVE A 3YR WARRANTY

MODEL#	CAP.(MB)	ACCESS/RPM	CACHE	FORM/HT	PRICE
IBM307015	15000	8.5MS/7200	2048K	3.5"/1"H	\$105
IBM305030	30000	9.5MS/5400	2048K	3.5"/1"H	\$108
IBM307020	20000	8.5MS/7200	2048K	3.5"/1"H	\$112
IBM305040	40000	9.5MS/5400	2048K	3.5"/1"H	\$113
IBM307030	30000	8.5MS/7200	2048K	3.5"/1"H	\$131
IBM307045	45000	8.5MS/7200	2048K	3.5"/1"H	\$152
IBM307060	60000	8.5MS/7200	2048K	3.5"/1"H	\$200
IBM307075	75000	8.5MS/7200	2048K	3.5"/1"H	\$274

Maxtor www.maxtor.com
ALL MAXTOR IDE DRIVES LISTED HAVE A 3YR WARRANTY

MODEL#	CAP.(MB)	ACCESS/RPM	CACHE	FORM/HT	PRICE
MAX204-5400	20400	9.5 MS/5400	2048K	3.5"/1"H	\$92
MAX153-7200	15300	9.5 MS/7200	2048K	3.5"/1"H	\$92
MAX307-5400	30700	9.5 MS/5400	2048K	3.5"/1"H	\$104
MAX204-7200	20400	9.5 MS/7200	2048K	3.5"/1"H	\$108
MAX409-5400	40900	9 MS/5400	2048K	3.5"/1"H	\$119
MAX307-7200	30700	9.5 MS/7200	2048K	3.5"/1"H	\$131
MAX409-7200	40900	9.5 MS/7200	2048K	3.5"/1"H	\$144
MAX461-7200	46100	9.5 MS/7200	2048K	3.5"/1"H	\$156
MAX614-5400	61400	9 MS/5400	2048K	3.5"/1"H	\$184
MAX819-5400	81900	9 MS/5400	2048K	3.5"/1"H	\$242

CONTROLLERS

PROMISE TECHNOLOGY, INC. www.promisetechnology.com

PRULTRA66	ULTRA ATA66 PCI 4 HARD DRIVE	\$24
PRULTRA100	ULTRA ATA100 PCI 4 HARD DRIVE	\$49
PRFASTRAK100	ULTRA ATA100 RAID PCI	\$82

adaptec www.adaptec.com

AD2940AUOEM	ULTRA SCSI BUS MSTR 20MB/SEC OEM	\$151
AD2940UWPROEM	ULTRA 2 PCI 80MB/SEC OEM	\$184
AD29160OEM	ULTRA 2 PCI BUS MSTR 160MB/SEC OEM	\$195
AD19160KIT	ULTRA 2 PCI BUS MSTR 160MB/SEC RETAIL	\$214
AD2940U2WOEM	ULTRA 2 PCI BUS MSTR 80MB/SEC OEM	\$219
AD29160KIT	ULTRA 2 PCI BUS MSTR 160MB/SEC RETAIL	\$283

NOTEBOOK DRIVES

TOSHIBA www.toshiba.com
ALL TOSHIBA IDE NOTEBOOK DRIVES LISTED HAVE A 1YR WARRANTY

MODEL#	CAP.(MB)	ACCESS/RPM	CACHE	FORM/HT	PRICE
TO4313MAT	4300	13MS/4200	1024K	2.5"/8.4MM	\$93
TO6014MAP	6000	13MS/4200	1024K	2.5"/9.5MM	\$99
TO1016GAP	10000	13MS/4200	1024K	2.5"/9.5MM	\$107
TO1214GAP	12000	13MS/4200	1024K	2.5"/9.5MM	\$137
TO2016GAP	20000	13MS/4200	1024K	2.5"/9.5MM	\$148

IBM www.ibm.com
ALL IBM IDE NOTEBOOK DRIVES LISTED HAVE A 1YR WARRANTY

MODEL#	CAP.(MB)	ACCESS/RPM	CACHE	FORM/HT	PRICE
IBMDARA-206000	6000	12MS/4200	512K	2.5"/12.5MM	\$92
IBMDJA-210000	10000	12MS/4200	512K	2.5"/9.5MM	\$102
IBMDARA-212000	12000	12MS/4200	512K	2.5"/9.5MM	\$122
IBMDJA-220000	20000	12MS/4200	512K	2.5"/9.5MM	\$137
IBMDJA-230000	30000	12MS/4200	512K	2.5"/12.5MM	\$288

NETWORK CARDS

3Com www.3com.com

3C905BTXNM	ETHERNET RJ45 10/100BT NO REMOTE WAKE PCI	\$41
3C905CTXM	ETHERNET RJ45 10/100BT W/REMOTE WAKE PCI	\$43

WE ALSO CARRY EDIMAX NETWORKING PRODUCTS

SCSI DRIVES

WESTERN DIGITAL www.wdc.com
ALL WESTERN DIGITAL SCSI DRIVES LISTED HAVE A 5YR WARRANTY

MODEL#	CAP.(MB)	ACCESS/RPM	CACHE	FORM/HT	PRICE
WD91F6	9100	6.6MS/10000	2048K	3.5"/1"H	\$137
WDE9150-0050	9100	5.2MS/10000	2048K	3.5"/1"H	\$179
WDE18310-0040	18300	5.2MS/10000	2048K	3.5"/1"H	\$227
WDE18310-0050	18300	5.2MS/10000	2048K	3.5"/1"H	\$232

Seagate www.seagate.com
ALL SEAGATE SCSI DRIVES LISTED HAVE A 5YR WARRANTY

MODEL#	CAP.(MB)	ACCESS/RPM	CACHE	FORM/HT	PRICE
ST39236LW	9200	5.8MS/7200	2048K	3.5"/1"H	\$207
ST39216N	9200	5.8MS/7200	2048K	3.5"/1"H	\$217
ST39216W	9200	5.8MS/7200	2048K	3.5"/1"H	\$217
ST39236LWV	9200	5.8MS/7200	4096K	3.5"/1"H	\$222
ST318416N	18400	5.8MS/7200	2048K	3.5"/1"H	\$314
ST318416W	18400	5.8MS/7200	2048K	3.5"/1"H	\$314
ST318436LW	18400	5.8MS/7200	2048K	3.5"/1"H	\$314
ST318436LWV	18400	5.8MS/7200	4096K	3.5"/1"H	\$326
ST318404LW	18400	5.2MS/10,000	4096K	3.5"/FH	\$357
ST318451LW	18400	5.2MS/15,000	4096K	3.5"/FH	\$469
ST336704LW	36700	5.2MS/10,000	4096K	3.5"/FH	\$592
ST336704LWV	36700	5.2MS/10,000	16000K	3.5"/FH	\$604
ST173404LW	73400	5.6MS/10,000	4096K	3.5"/FH	\$1084
ST173404LWV	73400	5.6MS/10,000	16000K	3.5"/FH	\$1114
ST173404LCV	73400	5.6MS/10,000	16000K	3.5"/FH	\$1129

REMOVABLES

OMEGA www.iomega.com

IOZIP100IDE	REMOVABLE DRIVE	100MB INT ZIP	IDE OEM	\$52
IOZIP250IDE	REMOVABLE DRIVE	250MB INT ZIP	IDE OEM	\$77
IOZIP100USB	REMOVABLE DRIVE	100MB EXT ZIP	USB	\$117
IOZIP250USB	REMOVABLE DRIVE	250MB EXT ZIP	USB	\$164
IOSCSI2GBINT	REMOVABLE DRIVE	2GB INT JAZ	SCSI	\$262
IOSCSI2GBEXT	REMOVABLE DRIVE	2GB EXT JAZ	SCSI	\$314

SEE OUR WEBSITE FOR CARTRIDGE PRICES

CD/CDRW/DVD

TOSHIBA www.toshiba.com

MODEL#	SPEED/TRANS	INTERFACE	ACCESS	CACHE	PRICE
TO48XIDE	48X/7200K	ATAPI	85MS	256K	\$52
TOSDM14020EM	12X/40X DVD	ATAPI	135/90MS	256K	\$67
TOSDM15020EM	16X/48X DVD	ATAPI	115/95MS	256K	\$74
TOSDR1002KIT	4X/4X/42X	ATAPI	140/105MS	256K	\$179
TOSDW2002KIT	6X-24X DVD-RAM/ATAPI		120MS	8192K	\$439

MITSUMI www.mitsumi.com

MODEL#	SPEED/TRANS	INTERFACE	ACCESS	CACHE	PRICE
MIT48XIDE	48X/7200K	ATAPI	85MS	128K	\$34
MIT4804OEM	4X/4X/24X	ATAPI OEM	135MS	2048K	\$83

YAMAHA www.yamaha.com

MODEL#	SPEED/TRANS	INTERFACE	ACCESS	CACHE	PRICE
YACRW2100EZKIT	16X/10X/40X	ATAPI	140MS	4096K	\$227
YACRW2100SZKIT	16X/10X/40X	SCSI	140MS	4096K	\$277

SONY www.sony.com

SY48XIDE	48X/7200KB	ATAPI	85MS	128K	\$35
SY52XIDE	52X/7800KB	ATAPI	85MS	128K	\$38
SYCRX140ECHOEM	8X/4X/32X	ATAPI	150MS	4096K	\$119
SYCRX140E/CH	8X/4X/32X	ATAPI	150MS	4096K	\$134
SYCRX160E/CH	12X/8X/32X	ATAPI	150MS	4096K	\$169
SYCRX145S/CH	10X/4X/32X	SCSI	150MS	4096K	\$244

Plextor www.plextor.com

PX-W8432TI	8X/4X/32X	ATAPI	160MS	4096K	\$179
PX-W1210TA	12X/10X/32X	ATAPI	150MS	2048K	\$207
PX-W1610TA	16X/10X/40X	ATAPI	150MS	2048K	\$244
PX-W124TSI	12X/4X/32X	SCSI	160MS	4096K	\$304

www.spartantech.com

Please visit our website for more details on our products and the latest prices!!!

MODEMS

3Com www.3com.com

3C3595	56 KBPS DATA/14.4kbps FAX INT PCI V.90 OEM/WIN	\$31
3C3594	56 KBPS DATA/14.4kbps FAX INT PCI V.90 OEM/VOICE	\$34
3C2975	56 KBPS DATA/14.4kbps FAX INT PCI V.90 OEM/NO VOICE	\$38
3C2974	56 KBPS DATA/14.4kbps FAX INT PCI V.90 OEM/VOICE	\$36
3C2977	56 KBPS DATA/14.4kbps FAX INT PCI V.90 OEM/NON WIN	\$57
3C2976	56 KBPS DATA/14.4kbps FAX INT PCI V.90 OEM/NON WIN	\$61

CREATIVE www.creative.com

CLDI5655	56 KBPS DATA/14.4kbps FAX INT PCI V.90 VOICE	\$25
CLDI5660	56 KBPS DATA/14.4kbps FAX INT PCI V.90 NON WIN	\$25

MONITORS

ViewSonic www.viewsonic.com

VIE55	15"	.28DP	1280 X 1024	.....	\$152
VIM50	15"	.27DP	1280 X 1024	.....	\$159
VIG653	15"	.28DP	1280 X 1024	.....	\$169
VIE70	17"	.27DP	1280 X 1024	.....	\$204
VIE771	17"	.27DP	1280 X 1024	.....	\$212
VIE773	17"	.25DP	1280 X 1024	.....	\$229
VIG773	17"	.26DP	1280 X 1024	.....	\$252
VIGS773	17"	.27DP	1280 X 1024	.....	\$257
VIPS775	17"	.25DP	1600 X 1280	.....	\$306
VIE790	19"	.26DP	1600 X 1200	.....	\$319
VIGS790	19"	.26DP	1600 X 1200	.....	\$344
VIGA771	17"	.27DP	1280 X 1024	.....	\$367
VIG90M	19"	.26DP	1600 X 1200	.....	\$367
VIPF790	19"	.25DP	1600 X 1280	.....	\$429
VIPS790	19"	.25DP	1600 X 1280	.....	\$479
VIGS815	21"	.25DP	1920 X 1440	.....	\$779
VIP220F	22"	.25DP	1600 X 1200	.....	\$799
VIP7813	21"	.28DP	1600 X 1200	.....	\$949
VIP817	21"	.25DP	2048 X 1536	.....	\$1419
VIVG151	LCD MONITOR 15" VIEWABLE 1024 X 768	.....	.....	.....	\$679
VIVP150M	LCD MONITOR 15" VIEWABLE 1024 X 768	.....	.....	.....	\$1029
VIVG 175	LCD MONITOR 17.4" VIEWABLE 1280 X 1024	.....	.....	.....	\$1270
VIVG181	LCD MONITOR 18.1" VIEWABLE 1280 X 1024	.....	.....	.....	\$2509

RELYSIS www.relysis.com

RETE555	15"	.28DP	1280 X 1024	.....	\$122
RETE770	17"	.28DP	1280 X 1024	.....	\$167
RETE786T	17"	.26DP	1280 X 1024	.....	\$168
RETE786H	17"	.25DP	1600 X 1200	.....	\$182
RETE988	19"	.26DP	1600 X 1200	.....	\$244

**We Also Carry
CASES, POWER PROTECTION,
NETWORK HUBS, KEYBOARDS,
MICE, & MORE!!!**

Visit our web site and shop on-line for these and other fine products that we simply don't have enough room to list in this print ad!

**WE ACCEPT WILL CALL ORDERS!!!
PLEASE CALL FOR DETAILS**

Shop Online @

www.spartantech.com     

Prices fluctuate beyond our control and may therefore change for better or worse. Shipping and handling charges are not refundable. Restocking fee on all returns. Prices do not reflect shipping and handling costs or Illinois sales tax. No surcharge on VISA, MasterCard, American Express or Discover. C.O.D.s accepted. Shipping to another address and credit verification may cause delays. All prices and specifications subject to change without notice. See our website for all policies. Trademarks and tradenames are the property of their respective companies.

Call Toll-Free! **1-888-373-0340**
HOURS (CST) M - Th 8am - 8pm
Fri. 8am - 6pm
Sat. 9am - 1pm
SPARTAN TECHNOLOGIES, INC.
1500A HIGGINS RD.
ELK GROVE VILLAGE, IL. 60007
FAX: (847) 364-9700
Please call ahead for Will Call service.

WWW.SPARTANTECH.COM

my peanut butter
and sardine
sandwich?
personalized.

the PC dell
built for me?
really personalized.



Inside your New Dell™ PC will be...whatever you want there to be.

We believe that personal computers should be, well, personal. Sure, all Dell™ PCs come with a powerful Intel® processor. But the rest is up to you. Finances? Music? Education? Internet? Tell us what you want and we'll make it happen. Keep in mind that your Dell PC will be backed by our award-winning service and support. Consider it another way Dell4me™ can help you build your dream machine. Strange midnight snacks, on the other hand, are your department.

DELL™ NOTEBOOKS:

DELL™ INSPIRON™ 3800

Design and Affordability

- Intel® Celeron™ Processor at 600MHz
- 12.1" SVGA TFT Display
- 64MB 100MHz SDRAM
- 5GB⁸ Ultra ATA Hard Drive
- Modular 24X Max CD-ROM Drive
- 8MB ATI Rage Mobility™ 3D* 2X AGP Video
- Internal 56K Capable⁹ FaxModem
- Li-Ion Battery with ExpressCharge™ Technology
- MS® Works Suite 2001
- MS® Windows® Me
- 1-Yr Limited Warranty²
- 1-Yr Mail-in Service
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included

\$1129 or as low as **\$34** per mo. 45 mos.¹²
No payments for 90 days. E-VALUE Code: 05981-800411

DELL™ INSPIRON™ 4000

Thin and Light

- Intel® Pentium® III Processor at 850MHz
Featuring Intel® SpeedStep™ Technology
- 14.1" XGA TFT Display
- 128MB 100MHz SDRAM
- 10GB⁸ Ultra ATA Hard Drive
- Modular Removable 8X Max DVD-ROM Drive
- 8MB ATI Rage Mobility™ 128 3D* 2X AGP Video
- Internal 56K Capable⁹ FaxModem
- 53Whr Li-Ion Battery with ExpressCharge™ Technology
- MS® Works Suite 2001 ■ MS® Windows® Me
- 1-Yr Limited Warranty² ■ 1-Yr Mail-in Service
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included

\$1799 or as low as **\$54** per mo. 45 mos.¹²
No payments for 90 days. E-VALUE Code: 05981-800417

DELL™ INSPIRON™ 8000

Multimedia Mobile Desktop

- Intel® Pentium® III Processor at 1GHz
- 15" Super XGA+ TFT Display
- 128MB 100MHz SDRAM
- 20GB⁸ Ultra ATA Hard Drive
- Fixed 8X Max DVD-ROM Drive
- 32MB ATI Mobility™-M4 3D* 4X AGP Video
- Internal 56K Capable⁹ FaxModem
- 59Whr Li-Ion Battery ■ harman/kardon® Audio
- MS® Works Suite 2001
- MS® Windows® Me
- 1-Yr Limited Warranty²
- 1-Yr Mail-in Service
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included

\$2599 or as low as **\$78** per mo. 45 mos.¹²
No payments for 90 days. E-VALUE Code: 05981-800425

DELL™ DESKTOPS:

DELL™ DIMENSION™ L Series

Affordable Desktop Solution

- Intel® Pentium® III Processor at 933MHz
- 64MB SDRAM
- 20GB⁵ Ultra ATA/100 Hard Drive
- 15" (13.8" vis) E551 Monitor
- Intel® 3D® AGP Graphics
- 48X Max CD-ROM Drive
- SoundBlaster 64V PCI LC Sound Card
- harman/kardon® Speakers
- 56K Capable® PCI DataFax Modem
- MS® Works Suite 2001 ■ MS® Windows® Me
- 1-Yr Limited Warranty² ■ 1-Yr At-Home Service⁴
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included

\$799 or as low as **\$24** per mo. 45 mos.¹²

No payments for 90 days. E-VALUE Code: 05981-500407

DELL™ DIMENSION™ 4100 Series

Advanced Performance, Smart Value

- Intel® Pentium® III Processor at 1GHz
- 128MB SDRAM at 133MHz
- 40GB⁵ Ultra ATA/100 Hard Drive (7200 RPM)
- 17" (16.0" vis) M781s Monitor
- NEW 32MB NVIDIA™ GeForce2 MX 4X AGP Graphics
- 8X/4X/32X Max CD-RW Drive
- 48X Max CD-ROM Drive
- Altec Lansing® ACS-340™ Speakers with Subwoofer
- U.S. Robotics® 56K Capable® PCI Telephony Modem
- MS® Works Suite 2001 ■ MS® Windows® Me
- 3-Yr Limited Warranty² ■ 1-Yr At-Home Service⁴
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included
- APC Pro8T2 SurgeArrest Surge Protector

\$1599 or as low as **\$48** per mo. 45 mos.¹²

No payments for 90 days. E-VALUE Code: 05981-500415

DELL™ DIMENSION™ 4100 Series

Advanced Performance, Smart Value

- Intel® Pentium® III Processor at 1GHz
- 64MB SDRAM at 133MHz
- 20GB⁵ Ultra ATA/100 Hard Drive (7200 RPM)
- 17" (16.0" vis) E770 Monitor
- 16MB ATI Rage™ Pro
- NEW 8X/4X/32X Max CD-RW/DVD Combo Drive
- SB Live! Value Digital
- harman/kardon® Speakers
- 56K Capable® PCI Telephony Modem
- MS® Works Suite 2001 ■ MS® Windows® Me
- 3-Yr Limited Warranty² ■ 1-Yr At-Home Service⁴
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included

\$1299 or as low as **\$39** per mo. 45 mos.¹²

No payments for 90 days. E-VALUE Code: 05981-500412

DELL™ DIMENSION™ 8100 Series

Cutting-Edge Technology

- Intel® Pentium® 4 Processor at 1.3GHz
- 128MB RDRAM
- 40GB⁵ Ultra ATA/100 Hard Drive (7200 RPM)
- 17" (16.0" vis) P780 FD Trinitron® Monitor
- NEW 32MB NVIDIA™ GeForce2 MX 4X AGP Graphics
- 48X Max CD-ROM Drive
- SoundBlaster 64V LC PCI Sound Card
- Harman Kardon® HK-695 Surround Sound Speakers with Subwoofer
- 56K Capable® PCI Telephony Modem
- MS® Works Suite 2001 ■ MS® Windows® Me
- 3-Yr Limited Warranty² ■ 1-Yr At-Home Service⁴
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included
- APC Pro8T2 SurgeArrest Surge Protector

\$1699 or as low as **\$51** per mo. 45 mos.¹²

No payments for 90 days. E-VALUE Code: 05981-500416



Includes Windows Millennium Edition — the home version of the world's favorite software.

¹⁰Telephone access (call your phone co. for details) and other surcharges for access may apply. Must register within 30 days of receiving computer and accept DellNet/MSN Terms of Service. You agree to be billed monthly fees after the initial service period. You may cancel service at any time. Offer valid for new customers only in U.S. households and must be over 18 years old with major credit card. Limited time offer. ¹²Monthly payment based on 13.99% APR FOR QUALIFIED CUSTOMERS. OFFER VARIES BY CREDITWORTHINESS OF CUSTOMER AS DETERMINED BY LENDER. Under 90 Days Same As Cash feature, interest accrues during first 90 days if balance not paid within 90 days. Customers not eligible for 90 Days Same As Cash feature may be offered standard 48-month financing with APRs ranging from 16.99% to 23.99%. Example: \$1,650 purchase price, at 18.99%, 48 monthly payments at \$50. Taxes and shipping charges extra, and vary. From American Investment Bank, N.A. to U.S. residents with approved credit. Availability may be limited in some states. Limited time offer.

Prices, specifications, availability and terms of offers may change without notice. Taxes and shipping charges extra, and may vary. Valid for U.S. Dell Home Systems Company new purchases only.

¹For a copy of our Guarantees or Limited Warranties, write Dell USA L.P., Attn: Warranties, One Dell Way, Round Rock, Texas 78682. ²At-Home or On-site service provided via third-party contract with customer. Technician will be dispatched, if necessary, following phone-based troubleshooting. To receive Next-Business-Day service, Dell must notify the service provider before 5 pm (customer's time). Availability varies. Other conditions apply. ³For hard drives, GB means 1 billion bytes; accessible capacity varies with operating environment. ⁴Download speeds limited to 53Kbps. Upload speeds are less (about 30Kbps) and vary by modem manufacturer and line conditions. Analog phone line and compatible server required. ⁵Software, packaging or documentation may differ from retail versions. ⁶For rebate details and coupons, call 800-728-9665 for HP. System and monitor purchase may be required for rebate. Intel, the Intel Inside logo and Pentium are registered trademarks, and Intel SpeedStep and Celeron are trademarks of Intel Corporation. MS, Microsoft, MSN and Windows are registered trademarks of Microsoft Corporation. HP and DeskJet are registered trademarks of Hewlett-Packard Corporation. Trinitron is a registered trademark of Sony Corporation. Dell cannot be held responsible for errors in typography or photography. ©2001 Dell Computer Corporation. All rights reserved.

DELL™ SOLUTIONS:

SOFTWARE & ACCESSORIES

Printers:

- Epson® Stylus 777 Color Printer, add \$99
- HP® DeskJet® 952C, add \$149 after \$50 HP® Mail-in Rebate³⁸ (Reg. \$199)

Scanner:

- HP® ScanJet® 4300Cse, add \$99 after \$50 HP® Mail-in Rebate³⁸ (Reg. \$149)

Power Protection:

- APC Pro8T2 SurgeArrest Surge Protector, add \$39

Software:

- Extreme Game Pack (Dimension™ only)¹⁶, add \$99
- Family Game Pack¹⁹, add \$99

FINANCING & SERVICES

Payment Solutions:

- Dell™ Monthly Purchase Plan – Enjoy easy-to-budget, low monthly payments. Systems as low as \$24 a month for 45 months¹² for qualified customers using the 90 Days Same As Cash feature of the plan

Dimension™ Desktop Service Upgrades:

- Upgrade Dimension™ L Series 1-Yr Ltd Warranty², 1-Yr At-Home Service⁴ to Premier 3-Yr At-Home Service⁴, add \$119

Inspiron™ Notebook Service Upgrades:

- Upgrade Inspiron™ Notebooks with 1-Yr Ltd Warranty² and 1-Yr Mail-in Service:
– 3-Yr Warranty² and 3-Yr Mail-in Service, add \$99
– 3-Yr Warranty² and 3-Yr On-site Service⁴, add \$219

DELL4me.com

contact us today

877.749.3355

www.dell4me.com

parent company, is an investor in Beyond.com.)

bigclearance.com

You don't have to pay big money for a big box of big-name software.

BigClearance.com sells "current version software at clearance prices," most with free shipping. The site carries a smallish selection of titles from Borland, Intuit, Macromedia, Microsoft, and other major publishers.



buycheapsoftware.com

The name sums it up. **Buy Cheap Software** offers a relatively small selection—about 300 titles—at deep discounts. The site does sell programs from well-known publishers, including Adobe, Corel, Lotus, and Microsoft.

buyonet.com

Buyonet specializes in downloadable commercial software. Hundreds of business applications, utilities, and

SITE REVIEWS

games are available for download. For a nominal fee, shoppers can order a CD backup of purchased titles.

chumbo.com

In addition to tons of Windows, PDA, and Mac programs, **Chumbo.com** features a Linux Store that sells applications for the popular alternative OS. You'll also find an array of DVD movies here.



cws.internet.com

Stroud's Consummate Winsock Applications List is the ultimate one-stop download site for Internet software, including Web-development tools, browsers, and chat clients. You'll find comprehensive file lists, ratings, and extensive reviews. A free newsletter provides summaries of new software releases.

download.cnet.com

CNET Download.com will help you find shareware and free software, linking to tens of thousands of PC, Mac, Linux, and PDA titles. Well-written newsletters and down-to-earth reviews help you to locate the perfect program. (CNET Networks is *Computer Shopper's* parent company.)

ebworld.com

The online arm of the ubiquitous Electronics Boutique stores, **EBWorld.com** is a video-game player's paradise, offering 3,000 products. Its home page highlights new releases, coming-soon titles, and top sellers.

freewarefiles.com

Windows users who want software without having to spend any money can start at **Freeware Files.com**. This site features quick links to the most popular giveaways.

jumbo.com

Jumbo is the perfect name for this monstrous file archive, which features programs for sale, commercial-application demos, shareware, and freeware. Jumbo Guides offer articles on backing up, sharing MP3s, and other computing topics.

mightyscholar.com

Mighty Scholar sells hand-picked educational software, categorized by age range and subject.

999central.com

The price is right at **999central.com**, which stocks 500 software and 200 DVD titles, most for \$9.99. Educational, entertainment, and lifestyle applications are the most common. The site offers an ongoing "buy seven, get one free" deal.

www.pdfstore.com

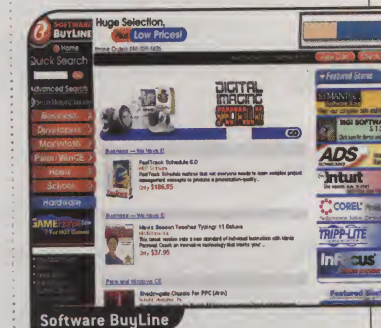
The **PDF Store** specializes in software for creating and working with Portable Document Format files, carrying a convenient, focused selection. The site sells shareware and commercial software for immediate download.

soft4u.com

Soft4U.com specializes in software for businesses, resellers, schools, and government offices. The company offers same-day shipping on most software and highlights two daily specials at wholesale cost.

softwarebuyline.com

Software BuyLine has a massive selection of software titles for Windows, Mac OS, Windows CE, and Palm OS. Shipping is free for orders of \$50 or more. You'll also get easy access to product-rebate information.



www.tucows.com

It's not just bovine bliss: **Tucows** is also an incredible archive of freeware and shareware. Plenty of local mirror sites keep downloads speedy. The category list and reviews make finding the software you seek a breeze.

zdnnet.com/downloads

Dude, you'll need more bandwidth. Download shareware, freeware, and demos from **ZDNet Downloads**. The site offers daily software highlights and quick links to the week's most popular software. Every program is rated, reviewed, and checked for viruses, so your new software won't come with any unpleasant surprises. (ZDNet is owned by CNET Networks, *Computer Shopper's* parent company.) ▼



MAGAZINE SUBSCRIPTIONS

discountmagazines.com

Is your snail-mailbox perpetually empty? **DiscountMagazines.com** can cure that: Here you can get five one-year subscriptions for \$5.95 each. The site is a bit less polished than some other subscription sites, but consider the money you're saving, and you'll get over it.

enews.com

Enews sells subscriptions to more than 100,000 magazines, newspapers, and newsletters. Search for a particular title, browse by category, or check the most popular 'zines. Buy them for yourself or send one as a gift—including some from the great selection of computer magazines (hint, hint).

foreignmedia.com

News Express offers 5,000 newspaper and magazine titles from around the world in a panoply of languages. In addition to traditional paper subscriptions, the site delivers newspapers electronically in PDF format through its Newsinform service. You can buy single issues or subscriptions.

magazinecity.net

MagazineCity.Net guarantees the lowest subscription rates on the Net. Categories include Computers & Electronics, Trade & Professional Journals, and—ahem—Exotic Erotic. In addition to individual subscriptions, the site sells "special packages," groups of subscriptions on a particular topic (for instance, parenting or golfing) that can make unique gifts.

magazineoutlet.com

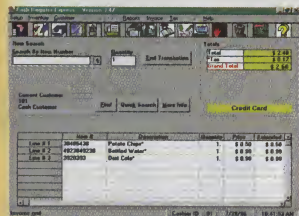
MagazineOutlet.com sells subscriptions to 25,000 magazines. The company gives you the first two issues of every subscription for free, making it easy to try out new magazines without getting stuck with a whole year of duds.

pch.com

We can't promise the prize van will come up your driveway, but **Publishers Clearinghouse's** Web site does promise to let you subscribe to popular magazines. The site also offers games, contests, freebie offers—and yes, you can enter the sweepstakes online.

Cash Register Express Software for Windows...\$495

Computerize any type of retail store using Cash Register Express for Windows. Computerization pays for itself, saving you thousands of dollars, giving you peace of mind, and making the best use of your time. Cash Register Express



has more than 250 of the most desired point of sale features to help you leapfrog past your competition by controlling costs, reducing errors and increasing efficiency.

More Software for Your Retail Store

- ◆ Video Express
- ◆ Salon Express
- ◆ Auto Express
- ◆ RestaurantPro Express
- ◆ Barcode Express
- ◆ Label Works
- ◆ Inventory Track Express

- ◆ Credit Card Software
- ◆ All Single or Multiuser

All PC America Software requires Microsoft Windows. The software was written in Visual Basic using Microsoft Access Files. The source code is available.

CASH REGISTER EXPRESS™

More Profit!

More Sales!

More Customers!

*Save Time, Reduce Theft,
Speed Checkout, Increase Accuracy,
Reduce Costs, Make Better Business
Decisions by computerizing
your Retail Store.*



Dealers Wanted!

Join our dealer program. It's **FREE**. It's the fastest way to make money...AND we make it **EASY**.

MORE INFO?

- ◆ Call Toll Free 1-800-722-6374
- ◆ www.pcamerica.com
- ◆ Fax on Demand 1-845-267-3551



**SYSTEMS
START AT
\$495.**

Cash Drawers \$189*
MMF, Logic Controls,
Indiana, APG

Programmable Keypads \$495*
Logic Controls, Cherry, Genovation
Credit Card Readers \$189*
Unitech, Mag-Tek

*All prices depend on make and model.



Barcode Scanners \$495*
Metrologic, Symbol, NJCR, Percon, PSC



Receipt Printers \$299*
Star, Ithaca, Citizen, Epson



Barcode Printers \$799*
Cognitive Solutions Barcode Blaster



Pole Displays \$289*
Logic Controls



Portable Data Collectors \$695*
American Microsystems AMS3000

1-800-PC-AMERICA

Call Toll Free 1-800-722-6374
PH: 1-845-267-3500
FX: 1-845-267-3550

PC America
60 N. Harrison Ave.
Congers, NY 10920



SHOP SMART • CHOOSE **AMD**

ALIENWARE

GREY™

AMD Duron™ Processor at 850MHz
High-Performance Heatsink/Cooling System
VIA KT133 Chipset Motherboard
128MB SDRAM (PC-133)
Floppy Drive 1.44MB
30GB 7200RPM Hard Drive Ultra ATA100
NVIDIA GeForce2 GTS™ 32MB DDR Video Card
Koolmaxx™ Video Cooling System
SoundBlaster LIVE! 3D Sound Card
Cambridge FPS1500 5-Piece
Speaker & Subwoofer System
56X EIDE CD-ROM Player
White Hydraulic ATX Mid-Tower Case 300 Watt PS
Microsoft Internet Keyboard
Microsoft Intellimouse
U.S. Robotics V.90 56K Voice/Data/Fax Modem
Microsoft Windows Millennium OS
1-Year Toll-Free 24/7 Technical Support
with Alienware On-Site Home Service
Personalized Owner's Manual
Optimized & Configured for High-Performance
FREE FUNC Technical Surface Pad

\$1,199.00

Financing as low as \$33/MO., 48 MOS.

HIVE-MIND™

AMD Thunderbird™ Processor at 1GHz
High-Performance Heatsink/Cooling System
VIA KT133 Chipset Motherboard
Virtual Channel 128MB SDRAM (PC-133)
Floppy Drive 1.44MB
45GB 7200RPM Hard Drive Ultra ATA100
NVIDIA GeForce2 GTS™ 64MB DDR Video Card
Koolmaxx™ Video Cooling System
SoundBlaster LIVE! 3D Sound Card
Cambridge FPS1500 5-Piece
Speaker & Subwoofer System
Pioneer 16X/40X DVD Player
White Hydraulic ATX Mid-Tower Case 300 Watt PS
Microsoft Internet Keyboard
Microsoft Intellimouse
U.S. Robotics V.90 56K Voice/Data/Fax Modem
Microsoft Windows Millennium OS
1-Year Toll-Free 24/7 Technical Support
with Alienware On-Site Home Service
Personalized Owner's Manual
Optimized & Configured for High-Performance
FREE FUNC Technical Surface Pad

\$1,499.00

Financing as low as \$41/MO., 48 MOS.

AURORA DDR™

AMD Thunderbird™ Processor at 1.2GHz DDR
High-Performance Heatsink/Cooling System
AMD 761 DDR Chipset Motherboard
256MB DDR SDRAM (PC-2100)
Black Floppy Drive 1.44MB
60GB 7200RPM Hard Drive Ultra ATA100
NVIDIA GeForce3 nFinite-FX™ GPU 64MB DDR
Koolmaxx™ Video Cooling System
SoundBlaster LIVE! 3D Sound Card
Klipsch 4.1 ProMedia v.2 4.0 THX 400-Watt
5-Piece Speaker & Subwoofer System
Pioneer 16X/40X DVD Player
NEW! Plexwriter 16X/10X/40X CDR-W IDE
Black Hydraulic ATX Mid-Tower Case 300 Watt PS
Black 107-Enhanced Keyboard
Microsoft Intellimouse Explorer
U.S. Robotics V.90 56K Voice/Data/Fax Modem
Microsoft Windows Millennium OS
1-Year Toll-Free 24/7 Technical Support
with Alienware On-Site Home Service
Personalized Owner's Manual
Optimized & Configured for High-Performance
FREE FUNC Technical Surface Pad

\$2,899.00

Financing as low as \$79/MO., 48 MOS.

"The Aurora knocked our socks off..."
-CNET Editor's Choice Award



Cases available in eight different colors.



MONITORS

17" Viewsonic Q71	.27dp	\$199.00
17" Viewsonic G70B	.27dp	\$249.00
19" Viewsonic Q95	.23dp	\$289.00
19" Viewsonic E790B	.26dp	\$359.00
22" Viewsonic P220f	.25dp	\$809.00

ALIENWARE.COM®

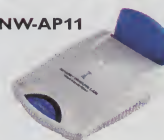
13462 Southwest 131 Street Miami, Florida 33186
TOLL FREE: 866-ROSWELL [866-767-9355]



BECAUSE LIFE
DOESN'T ONLY HAPPEN
AT YOUR DESK

WIRELESS NETWORKING

KNW-AP11



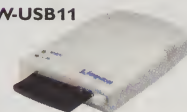
KNW-PCI11



KNW-PCM11



KNW-USB11



LIMITED TIME OFFER

\$30 mail-in rebate
for PC Card
Version*

\$40 mail-in rebate
for PCI/USB
Card Version*

IMAGINE A HOME NETWORK THAT ACTUALLY WORKS THE WAY YOU DO. The days of desk-bound computing are over. You now have the flexibility to go wherever you want without leaving resources such as your printer and Internet connection behind. Simply drop a Kingston® wireless LAN adapter into place and create a high-speed network without cables and without hassles, giving you the freedom to share resources wherever you are. And now, for a limited time, you can pick up a Kingston wireless networking solution for as little as \$99 per system. Connect to www.kingston.com/invisinet to find the right product for your needs. Or call us and we'll be happy to help, no strings attached.



* Mail-in rebate only available through these participating resellers. Product rebate valid from May 1 through June 31, 2001. Additional restrictions apply.



17600 Newhope Street, Fountain Valley, CA 92708 USA (714) 435-2600 Fax (714) 438-1879 © 2001 Kingston Technology Company, Inc. All rights reserved. All registered trademarks and trademarks are the property of their respective owners.



**Your biggest competitor
just stole your biggest client.**

Where were you?



"Lightning Performance at Down to Earth Pricing"

- 3-Year Part and Lifetime Labor Warranty
- 30-Day Money Back Guarantee
- Life Time Toll Free Technical Support
- Corporate, School and Government POs Welcome
- 24 Hours Online Order and Online Service
- On-Site Service Available



Now simply enter the "C-Value Code" on our web site to get the latest prices

www.cyberpowerinc.com



GAMER XTREME 1000

APRIL 2001 Computer Buyer's Guide Best Buy

- YAT-133A 266MHz FSB 4X AGP MAIN BOARD
- 256 MB PC133 SDRAM
- 30 GB 7200 RPM Ultra UDMA 100 Hard Drive
- ATI RADEON VE 32MB DDR Dual Monitor out
- 16X DVD-ROM
- 32X84 EIDE CD-RW DRIVE
- CREATIVE LAB SOUND BLASTER LIVE VALUE
- ALTEC LANSING ACS 54 Subwoofer System
- 19" .26MM SVGA Color Monitor
- 200M 56K V.90 Fax Modem
- Mitsumi 1.44 MB Floppy Drive
- PS2 Win98 Multimedia Keyboard
- PS2 Internet Mouse w/ Wheel
- ATX Medium Tower Case w/ 300 Watt UL
- Microsoft Windows Millennium or 98 2nd Edition
- COREL WORD PERFECT OFFICE 2000
- FREE One Year On Site Service

AMD ATHLON 1.3GHZ	\$ 1239	CS001
AMD ATHLON 1.2GHZ	\$ 1215	CS002
AMD ATHLON 1.1GHZ	\$ 1185	CS003
AMD ATHLON 1GHZ	\$ 1165	CS004
AMD ATHLON 900	\$ 1135	CS005
AMD ATHLON 850	\$ 1119	CS006

GAMER XTREME 850

Nov. & Dec. 2001 Computer Buyer's Guide Best Buy

- GIGABYTE GA-7DX AMD-761 DDR MAIN BOARD
- 128 MB PC266 SDRAM
- 40 GB Ultra DMA 100 Hard Drive
- ATI RADEON VE 32MB DDR w/ DUAL MONIT OR OUTPUT AGP Video Card
- 16X DVD-ROM
- CREATIVE LAB SOUND BLASTER LIVE VALUE
- ALTEC LANSING ACS 54 Subwoofer System
- 19" VIEWSONIC E790 .22MM SVGA Monitor
- 200M 56K V.90 Fax Modem
- Mitsumi 1.44 MB Floppy Drive
- PS2 Win98 Multimedia Keyboard
- PS2 Internet Mouse w/ Wheel
- ATX Medium Tower Case w/ 300 Watt UL
- Microsoft Windows Millennium or 98 2nd Edition
- COREL WORDPERFECT OFFICE 2000
- Free One Year On Site Service

AMD ATHLON 1.3GHZ	\$ 1309	CS001
AMD ATHLON 1.2GHZ	\$ 1285	CS002
AMD ATHLON 1.1GHZ	\$ 1255	CS003
AMD ATHLON 1.0GHZ	\$ 1235	CS004
AMD ATHLON 900	\$ 1199	CS005
AMD ATHLON 850	\$ 1189	CS006

GAMER PRO DVD

- DFI CA64 VIA 694 4X AGP UDMA 100 MAIN BOARD
- 256 MB PC133 SDRAM
- 40 GB Ultra DMA 100 Hard Drive
- NVIDIA GeForce-2 MX 32MB AGP Video Card
- BX4X32 CD-RW Drive
- 12X DVD-ROM
- CREATIVE LAB SOUND BLASTER LIVE VALUE
- ALTEC LANSING ACS 54 Subwoofer System
- 17" .27MM SVGA Monitor
- 200M 56K V.90 Fax Modem w/ Voice
- Mitsumi 1.44 MB Floppy Drive
- PS2 Win98 Keyboard & Internet Mouse
- ATX Medium Tower Case w/ 250 Watt UL
- Microsoft Windows Millennium or 98 2nd Edition
- COREL WORDPERFECT OFFICE 2000
- One Year On Site Service +\$29

Intel Pentium III 1000	\$ 1109	CS071
Intel Pentium III 933	\$ 1085	CS072
Intel Pentium III 866	\$ 1049	CS073
Intel Pentium III 800	\$ 1039	CS074
Intel Pentium III 750	\$ 1029	CS075
Intel CELERON 766	\$ 969	CS076
Intel CELERON 733	\$ 959	CS077

DVD DREAM

(www.cyberpowerpc.com/cyberpower/dvddream.html)

- DFI CA64 VIA 694 4X AGP UDMA 100 MAIN BOARD
- 256 MB PC133 SDRAM
- 40 GB Ultra DMA 100 Hard Drive
- ATI RADEON-VE 32MB DDR w/ Dual-Head Monitor Output & TV-out Video Card
- BX4X32 CD-RW Drive
- 12X DVD-ROM
- 19" .26MM 1800 x 1400 SVGA Monitor
- AC97 3D Wavetable Sound
- 450 Watt Subwoofer System w/ Satellite Speakers
- *Add a Zip Drive \$59
- 200M 56K V.90 Fax Modem w/ Voice
- Mitsumi 1.44 MB Floppy Drive
- PS2 Win98 Keyboard & Internet Mouse
- ATX Medium Tower Case w/ 250 Watt UL
- Microsoft Windows Millennium or 98 2nd Edition
- COREL WORDPERFECT OFFICE 2000
- One Year On Site Service +\$29

Intel Pentium III 1000	\$ 1099	CS021
Intel Pentium III 933	\$ 1079	CS022
Intel Pentium III 866	\$ 1055	CS023
Intel Pentium III 850	\$ 1049	CS024
Intel Pentium III 800	\$ 1039	CS025
Intel CELERON 766	\$ 965	CS026
Intel CELERON 733	\$ 959	CS027

PENTIUM IV BESTBUY

- Intel Original 850GB P-IV MAIN BOARD
- 128 MB PC800 RAMBUS MEMORY
- 40 GB Ultra DMA 100 Hard Drive
- ATI RADEON-VE 32mb DDR w/ Dual-Head Monitor Output & TV-out Video Card
- 12X DVD-ROM
- 16X DVD-ROM
- Creative Lab Sound Blaster Live
- Black Creative FPS 2000 Digital 4 Point Surround Subwoofer Speaker System
- 200M 56K V.90 Fax Modem w/ Voice
- BLACK 1.44 MB Floppy Drive
- BLACK PS2 Internet Keyboard
- BLACK PS2 Internet Mouse w/ Wheel
- BLACK Stylus ATX Medium Tower Case 300 W
- Microsoft Windows Millennium or 98 2nd Edition
- Corel Wordperfect Office 2000
- One Year On Site Service +\$29
- Optional Black 19" .26 MM SVGA +\$335

Intel Pentium IV 1500	\$ 1499	CS001
Intel Pentium IV 1400	\$ 1279	CS002
Intel Pentium IV 1300	\$ 1189	CS003

DVD PROFESSIONAL

(www.cyberpowerpc.com/cyberpower/dvdprof.html)

- ASUS CUSL2 Intel 815E UDMA 100 MAIN BOARD
- 512 MB PC133 SDRAM
- 60 GB Ultra DMA 100 Hard Drive
- NVIDIA GeForce-2 Ultra 64MB Video Card
- 16X DVD-ROM
- Creative Lab 32X84X CD-RW DRIVE
- Creative Lab Sound Blaster Live 5.1
- Creative Cambridge SoundWorks Desktop Theater 5.1 DTT2200 Surround Sound System
- 19" VIEWSONIC E790 .22MM 1800 x 1500 SVGA
- 3COM US-Robotic 56K V.90 Fax Modem w/ Voice
- Mitsumi 1.44 MB Floppy Drive
- Microsoft PS2 Intelli Internet Keyboard
- Microsoft USB OPTICAL Intelli Explorer Mouse
- ATX Medium Tower Case w/ 300 Watt UL
- Microsoft Windows Millennium or 98 2nd Edition
- COREL WORDPERFECT OFFICE 2000
- Norton Anti Virus w/ Ver 5.0 Engine
- One Year On Site Service +\$29

Intel Pentium III 1000	\$ 1799	CS011
Intel Pentium III 933	\$ 1769	CS012
Intel Pentium III 866	\$ 1739	CS013

CYBERPOWER BEST BUY

- DFI CA64 VIA 694 4X AGP UDMA 100 MAIN BOARD
- 128 MB PC133 SDRAM
- 40 GB Ultra DMA 100 Hard Drive
- ATI EXPERT 2000 32MB AGP Video Card
- 52X CD-ROM
- AC97 3D Wavetable Sound
- 450 Watt Subwoofer System w/ Satellite Speakers
- 200M 56K V.90 Fax Modem
- Mitsumi 1.44 MB Floppy Drive
- PS2 Win98 Keyboard & Internet Mouse
- ATX Medium Tower Case w/ 250 Watt UL
- Microsoft Windows Millennium or 98 2nd Edition
- COREL WORDPERFECT OFFICE 2000
- 17" .27MM SVGA +\$159
- One Year On Site Service +\$29

Intel Pentium III 1000	\$ 675	CS031
Intel Pentium III 933	\$ 649	CS032
Intel Pentium III 866	\$ 615	CS033
Intel Pentium III 800	\$ 605	CS034
Intel Pentium III 750	\$ 595	CS035
Intel CELERON 766	\$ 529	CS036
Intel CELERON 733	\$ 525	CS037

HOME ENTERTAINMENT

(www.cyberpowerpc.com/cyberpower/homeenter.html)

- 128 MB PC133 SDRAM
- 40 GB Ultra DMA 66 Hard Drive
- ATI EXPERT 98 8MB AGP Video Card
- 52X CD-ROM
- AC97 3D Wavetable Sound Card
- 120-Watt Power Stereo Speakers
- 200M 56K V.90 Fax Modem w/ Voice
- Mitsumi 1.44 MB Floppy Drive
- Windows 98 Keyboard & Internet Mouse
- Medium Tower Case
- One Year On Site Service +\$29

AMD ATHLON 1200	\$ 575	CS061
AMD ATHLON 1100	\$ 543	CS062
AMD ATHLON 1000	\$ 525	CS063
AMD ATHLON 850	\$ 479	CS064
AMD DURON 850	\$ 445	CS065
AMD DURON 800	\$ 429	CS066



• Price subject to change without notice.

4802 Little John St., Baldwin Park, CA 91706

Tel: (626)813-7730 • Fax: (626)813-3810
Technical Support (877)876-4965

Hour: Mon-Fri 8:30A.M. ~ 6:00P.M.
Sat 9:30A.M. ~ 3:00P.M.

[Http://www.cyberpowerinc.com](http://www.cyberpowerinc.com)
ORDER TOLL FREE (800)707-0393



Harmony

BUY with confidence...

Advertising in **COMPUTER SHOPPER**
for over 16 years!

www.harmonycomputers.com

DIGITAL CAMERAS

SONY

Sony FD95	839
Sony DSC 505 V	789
Sony FD85/FD90	549/679
Sony DSCS 30/50	349/539
Sony DSCS70	699
Sony P1	709
Sony MV CCD 1000	1099

PANASONIC

Panasonic 4090	369
Panasonic 3000	699
Panasonic 5000	899

EPSON

Photo PC 850Z	649
Photo PC 3000Z	799

TOSHIBA

PDRM 60	409
PDRM 5	449
PDRM 70	589

PALM

Palm Pilot XE	179
Palm Pilot 3C	289
Palm Pilot 5X	389
Palm Pilot 7X	349

WACOM TABLETS

Graphire 4X5	85
Blueberry/Grape/Slate	85
Intuos 6X8 Tablet	Call
Special Edition	Call
Intuos 9X12 Tablet	Call
Special Edition	Call

* after rebate
price and availability
subject to change

FIREWIRE ACCESSORIES



Pyro web cam 1394 web	Call
Pyro drive kit 1394	Call
external drive enclosure	Call
Pyro pro professional	Call
digital video editing	Call

VIDEO EDITING

DAZZLE

Digital video creator	Call
Digital video creator II	Call
Digital video creator	Call
for Notebooks	Call



WIZCOM

Quicklink pen	129
---------------------	-----



LAPTOPS

COMPAQ

Presario 12XL 310	1249
Presario 12XL 325	1449
Presario 14XL 240	1099
Presario 14XL 244	1099
Presario 14XL 340	1499
Presario 17XL 360	1699
Presario 17XL 365	2049
Presario 17XL 375	2299

TOSHIBA

2805 S201	1499
2805 S301	1949
2805 S401	2329

SONY

F 610	1239
F 630	1479
F 650	1869
F 680	2499
F 690	3149

Olympus D490 Z



2.11
Megapixel
3X optical
2.5X digital
Includes
QuickTime
movie mode

Rebate for FREE Microtech
ZiO! USB Card Reader

LOW LOW PRICE!

Olympus C3000



3.34
Megapixel
USB
connectivity
Includes
QuickTime
movie mode
16, 32, 64MB
Memory Cards available

LOW LOW PRICE!

Olympus C2100



2.1
Megapixel
10X optical
2.7 digital
USB
connectivity
Includes
QuickTime
movie mode

LOW LOW PRICE!

Olympus E10



4 Megapixel
f2.0-2.4
9-36mm
4x zoom lens
2240 x 1680
1.8" LCD monitor
USB connectivity
Metallic frame/casing

LOW LOW PRICE!

Kodak DC3400



2.0
Megapixel
2X optical
3X digital
USB
and serial
ports

LOW LOW PRICE!

Nikon Coolpix 880



3.34
Megapixel
2.5X optical
4X digital
TTL metering
1.5 frames/
sec full resolution
image capture

LOW LOW PRICE!

Nikon Coolpix 990



3.34
Megapixel
3X optical
4X digital
256 element
matrix metering
2 frames/
sec full resolution
image capture

LOW LOW PRICE!

Kodak DC4800



3.1
Megapixel
3X optical
2X digital
compact,
easy-to-use

LOW LOW PRICE!

Canon Elph S100



2.11
Megapixel
2X optical
4X digital
1.5" LCD
display
USB
connectivity

LOW LOW PRICE!

Canon Powershot G1



3.34
Megapixel
3X optical
4X digital
1.5" LCD
display
USB

connectivity
includes Adobe Photoshop
5.0 LE

LOW LOW PRICE!

Harmony

800-870-1663

Computer Shopper

OPEN SUNDAY 10:30-4:30 MON.-THUR. 9-6:30 FRIDAY 9-3 EST

N.Y. 718-692-3232

1801 Flatbush Avenue, Brooklyn, NY 11210

CUSTOMER SERVICE 718-692-2828

Visit our web site: www.harmonycomputers.com

WE
SHIP TO
APO & FPO
ADDRESSES

20 years
of expertise and service

800-433-5199

650 6th AVENUE, NY, NY 10011

e-mail: Triscomp@aol.com

INFO 212-633-2530 • FAXLINE 212-633-7718

BUSINESS HRS: WEEKDAYS 9-7, FRI. 9-2:30, SUN. 10-5

We are an **AUTHORIZED SERVICE CENTER**
for Brother, Canon, Compaq, Epson, Okidata, Panasonic

Call 212-633-6807



Cool Savings

OLYMPUS

D-360L DIGITAL CAMERA

- 1.3 MegaPixel
- 1280x960 resolution
- 2x Digital Tele/wide mode
- built-in 1.8" LCD display
- 8MB SmartMedia card included

\$249



Canon

ELPH-S100 DIGITAL CAMERA

- 1600x1200 pixel image resolution
- 2.11 megapixels
- 8MB memory
- 2x optical
- 4x digital zoom

\$429



Kodak

DC3200 DIGITAL CAMERA

- 1.2 megapixel
- 2MB internal memory
- NTSC only
- 2X digital zoom
- 1.6" LCD viewfinder
- Series PC connection

\$179



Kodak

DC4800 DIGITAL CAMERA

- Outstanding 3.1 megapixel resolution
- 3X optical zoom
- 2X digital zoom
- 1.8" LCD viewfinder
- 4 image color mode
- NTSC/PAL

\$599
-100
REBATE

\$499



Nikon

COOLPIX 990 DIGITAL CAMERA

- 3.34 megapixel 1/1.8" CCD produces ultra high-definition 2048 x 1536 pixel images
- Newly designed 3X Zoom-Nikkor lens has focal range of 8-24mm
- Virtually stepless digital zoom magnifies to 4X
- USB Connectivity

Hot New Product

NEW LOW PRICE



OLYMPUS

C-3030 ZOOM DIGITAL CAMERA

- 3.3 Million pixel CCD (2048 x 1536)
- 15 Resolution modes
- Manual/Auto focus 3X optical zoom lens
- Auto variable 2.5X digital telephoto lens
- 32MB Internal SD-RAM
- 5 Mode flash system w/ external flash sync

In Stock



TOSHIBA

PDR-M70 DIGITAL CAMERA

- 3.37 million pixels
- 3X optical zoom
- 2048x1536 resolution
- ISB interface for fast downloading
- 24MB internal buffer memory

\$699



Fuji

FINEPIX 4700 DIGITAL CAMERA

- 1/1.7" Super CCD
- 2400x1800 image resolution/1280x960/640x480
- Convenient USB port for fast computer image transfers
- 16MB included

\$529



EPSON

PC3000Z ZOOM DIGITAL CAMERA

- 3.3 megapixel CCD sensor
- 3X optical zoom, 2X digital zoom
- 16MB CompactFlash memory card included

CALL



EPSON

STYLUS COLOR 777 INK JET PRINTER

- 2880 DPI
- 6ppm color
- 8ppm black
- USB and parallel connections
- Works with Win 95/98/ME/2000

\$99



Visit us online at
www.tristatecomputer.com

SECURE SHOPPING • EXTENSIVE INVENTORY • CUSTOMIZED SHOPPING EXPERIENCE • DETAILED PRODUCT INFORMATION

Canon

BJC-2100 COLOR PRINTER

- 720x360 DPI print resolution
- Utilizes drop-in ink loading system
- Unique duplex printing feature, allowing Windows users to print on both sides of regular paper
- Connects to any USB-compatible PC or Mac

\$79
-30
REBATE

\$49



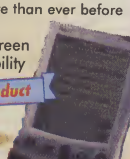
3Com

PALM Vx

- Ultra-Sleek, Ultra-Slim, Ultra-Stylish And it stores more than ever before
- 8MB memory
- LCD/Backlit screen
- Infrared capability

Hot New Product

\$329



3Com

PALM IIIC

- 8MB memory
- Color Active Matrix
- TFT display
- Enhanced viewing experience in color

\$279

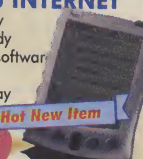


3Com

PALM VIIx WIRELESS INTERNET

- 8MB memory
- Internet Ready with TCP/IP software
- 6.7 oz.
- Backlit Display

\$339



HP HEWLETT PACKARD

DESKJET 842C COLOR PRINTER

- Up to 600 x 1200 DPI whit.
- Photo Refill up to 8 ppm black
- 5 ppm color
- Handles legal size
- USB/Parallel
- Factory refurbished
- Full 1 year warranty

\$89



DESKJET 930 RB \$119

EPSON

PERFECTION 1240U USB SCANNER

- 1200x2400 dpi resolution
- Fully automatic, one-touch scanning
- Plug and play USB connection
- 8.5"x11.7" scan areas
- Optional transparency unit
- Win 98/2000/ME & Mac

\$199



SONY

PCG-FX120 NOTEBOOK

- Intel P3700
- 64MB of RAM
- 10 GB hard drive
- DVD
- 13.3" TFT active screen
- 56K FM
- Windows ME

\$1699



COMPAQ

PRESARIO 14XL-245 NOTEBOOK

- Intel Celeron 566
- 64MB of RAM
- 6.0 GB hard drive
- 56K fax modem
- 13" TFT screen
- DVD
- WIN ME

\$1239



TOSHIBA

SATELLITE 1755

- Intel Celeron 700 MHz
- 64MB of RAM
- 10 GB hard drive
- DVD
- 13.3" TFT Display
- 56K F/M
- WIN ME

\$1379

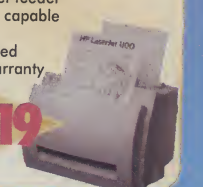


HP HEWLETT PACKARD

LASERJET 1100 DESKTOP PRINTER

- Fast laser printing - 8 ppm
- True laser 600 DPI resolution
- Easily add copying and scanning
- 125 sheet feeder
- Network capable
- Factory refurbished
- 1 year warranty

\$319



MEGAHAUS Here's This Month's Specials



Since 1987

MEGAHAUS

Everything High Tech
All Under One Roof

For over 13 years we have been THE definitive source for drives. Now, we're proud to offer our customers a wide variety of high tech products - All under one roof.

For complete terms & policies see our website's checkout stand at: www.megahaus.com. All specifications & prices are subject to change without notice. ©2001 MegaHaus 5/2001

TAPE BACKUP

Tape backups come with cable & backup software

• SEAGATE 4-8GB TR4 •

Int/Ext IDE, with 1 tape STT28000A \$195
Int/Ext SCSI, with 1 tape STT28000N \$219

• HEWLETT PACKARD 10GB-20GB TR5 •

Int/Ext SCSI, TR5 C4394AX \$369/\$429

• SEAGATE 10GB-20GB TR5 •

Int/Ext IDE, with 1 tape STT220000A \$259

• 4mm DAT Drives •

(Native/Comp.)	Max Speed	Brand & Model	
4GB 8GB	66MB/min	Seagate DDS-2 STD28000N	\$519
10GB 20GB	100MB/min	Seagate STT2200BARE	\$275
12GB 24GB	144MB/min	Sony DDS-3 SDT9000AI	\$565
12GB 24GB	120MB/min	HP DDS-3 C1554AI	\$695
20GB 40GB	288MB/min	Sony DDS-4 SDT11000AI	\$835
72GB 144GB	120MB/min	HP C5648A 6 tape loader	\$1649
160GB 320GB	840MB/min	Sony TSL-S11000 tape loader	\$2745
Media 1-4/5-9/10+	120 Meter (DAT120M)		\$10/\$9/\$8
Media 1-4/5-9/10+	125 Meter (DAT125M)		\$20/\$19/\$18
Media 1-4/5-9/10+	150 Meter (DAT150M)		\$33/\$32/\$31

• EXABYTE 8mm DAT Drives •

7GB 14GB 120MB/min ELIANT820 \$1179
Media 2-4/5-9/10+ 160Meter (DAT160M8MM) \$10/\$9/\$8

• QUANTUM DLT Drives •

Capacity	Speed	Model	Price
20GB-40GB	180MB/min	DLT4000	\$1095
Above as ext. our case		DLT4000X	\$1195
Above as ext. Qtm case		DLT4000QX	\$1529
40GB-80GB	600MB/min	DLT8000	\$3099
Above as ext. our case		DLT8000X	\$3269
Above as ext. Qtm case		DLT8000QX	\$3369
Media 2-4/5-9/10+		DLT3(DLT3)	\$34/\$33/\$32
Media 2-4/5-9/10+		DLT3XT(DLT3XT)	\$37/\$36/\$35
Media 2-4/5-9/10+		DLT4(DLT4)	\$73/\$70/\$67
2-4/5-9/10+		DLT Cleaning Tape(DLTCLEAN)	\$39/\$37/\$35

• Seagate Backup Software as low as \$65 •

• NovaStor Backup Software as low as \$49 •

NETWORKING

• HUBS By 3Com Office Connect & SuperStack II •

Model	Ports	Price
12 10/100BASE-TX w RJ-45 ports	(3C16405)	\$495
24 auto sensing 10/100BASE-TX, RJ-45 ports	(3C16406)	\$869
12 Twisted Pair RJ-45 ports	(3C16440)	\$149
24 Ethernet ports & 1 FE port	(3C16450)	\$929
12 auto sensing 10/100 Ethernet, RJ-45 ports	(3C16592A)	\$295
24 auto sensing 10/100 Ethernet ports	(3C16611)	\$899
6 Ethernet 10BASE-T-FL, Fibre ports	(3C16665A)	\$1459
12 Ethernet RJ-45, 10BASE-T ports	(3C16670A)	\$529
24 10BASE-T Ethernet, RJ-45 ports	(3C16671A)	\$899

• SWITCHES By 3Com Office Connect & SuperStack II •

Model	Ports	Price
12 auto sensing 10/100 BASE-TX, FE ports	(3C16464A)	\$435
4 10/100BASE-TX, RJ-45 ports w/MDI/MDIX-#8	(3C16733A)	\$99
8 10/100BASE-TX, RJ-45 ports w/MDI/MDIX-#8	(3C16734B-US)	\$140
24 10BASE-T UTP, 2 10/100 TX ports	(3C16950)	\$919
12 10BASE-T UTP E & 2 10/100BASE-TX FE ports	(3C16951)	\$639
24 10/100BASE-TX FE ports, exp slot	(3C16980)	\$1739

• ETHERNET NIC Cards By 3Com •

Model	Price
10 ISA TPO Network	(3C509B-TPO) \$65
10/100 ISA Network	(3C515-TX) \$159
10 ISA Combo Network	(3C509B-CMB) \$125
10 ISA TPC Network	(3C509B-TPC) \$75
10/100 PCI Network	(3C905B-PCNM) \$79
10 Fiber Network	(3C900B-FLST) \$169
100 PCI Fiber Network	(3C905B-FXSC) \$255
10 PCI TPO Network	(3C900B-TPO) \$59
10 PCI Combo Network	(3C900B-COMBO) \$139
10/100 PCI Combo Network	(3C905B-COMBO) \$139
10/100 PCI Network	(3C980C-TXM) \$99

We carry a wide selection of products for your Laptop, PC and Mac, for your LAN and WAN, and everything in between. Call us!

ULTRA ATA HARD DRIVES

Capacity	Buffer	Speed	Part Number	Int.
IBM				
15.0GB	2MB	7200	07N5637	\$103
20.0GB	2MB	7200	07N5638	\$126
30.0GB	2MB	7200	07N5639	\$139
45.0GB	2MB	7200	07N5640	\$154
60.0GB	2MB	7200	07N3933	\$229
75.0GB	2MB	7200	07N3935	\$290
Quantum				
10.2GB	2MB	7200	QMP10200AS	\$98
20.5GB	2MB	7200	QMP20500AS	\$112
30.0GB	2MB	7200	QMP30000AS	\$128
40.0GB	2MB	7200	QMP40000AS	\$156
60.0GB	2MB	7200	QMP60000AS	\$229
Western Digital				
20.0GB	2MB	7200	WD200BB	\$111
30.0GB	2MB	7200	WD300BB	\$135
40.0GB	2MB	7200	WD400BB	\$152
60.0GB	2MB	7200	WD600BB	CALL
80.0GB	2MB	7200	WD800BB	CALL
Maxtor Ultra 100				
10.0GB	2MB	7200	MST010H1	\$100
20.0GB	2MB	7200	MST020H2	\$122
30.0GB	2MB	7200	MST030H3	\$135
40.0GB	2MB	7200	MST040H4	\$162
60.5GB	2MB	7200	MST060H6	\$229
81.9GB	2MB	5400	M981196H8	\$261
Fujitsu				
10.2GB	2MB	7200	MPG3102AH	\$97
15.3GB	2MB	7200	MPG3153AH	\$108
20.4GB	2MB	7200	MPG3204AH	\$118

Call us for the best pricing in the US on Laptop Drives.

USB DRIVES & ACCESSORIES

100MB Zip Drive (ZIP100USB)	\$79
4x4x6 CD Rewritable for PC or Mac (CDW54EUSB)	\$205
2.2GB Orb (ORBUSB)	\$174
250MB Zip (ZIP250USB)	\$139
USB to SCSI Adapter (USBSCSI)	\$59
SuperDisk Drive 120MB & Floppy (USBLS120)	\$145
1394 USB/PCI Board (70HTL00060)	\$119
Floppy Drive (USBFLOPPY)	\$85
USB Hard Drives 60GB (USB60GB)	\$319
10GB (USB10GB) \$105	30GB (USB30GB) \$189
20GB (USB20GB) \$179	40GB (USB40GB) \$205

1394/FIREWIRE PRODUCTS

1394 PCMCIA CARD BUS (70HTL00040)	\$85
1394 PCI/MAC BOARD KIT (70HTL13941)	\$65
1394 Hub (70HTL00030)	\$85
1394 Repeater: (70HTL00020)	\$45
1394 15 Ft. Cable: 6pin to 4pin (70CAB13943)	\$19
1394 15 Ft. Cable: 6pin to 6pin (70CAB13942)	\$19
1394 UMAX PowerLook 1100 Scanner with DuoDesign Software Bundle (SPKG14006)	\$949

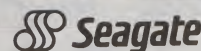
ZIP & JAZZ MEDIA

IOmega 100MB ZIP	
Int. IDE [ZIP250A] / 5 Pack [ZIP100A-5]	\$149/\$279
Int. SCSI [ZIP100I]	\$89
Parallel Ext. [PPZIP100]	\$99
Ext. USB [ZIP100USB]	\$99
Zip media [ZIP100C] 2-9/10+	\$12/10
IOmega 250MB ZIP	
Int. IDE [ZIP250A]	\$149
Ext. for PC Parallel Port [PPZIP250]	\$149
Ext. USB for PC or Mac [ZIP250USB]	\$165
Ext. SCSI for PC or Mac [ZIP250]	\$149
IOmega 2GB JAZZ	
Internal SCSI [JAZ2I]	\$299
External SCSI [JAZ2X]	\$339
Jaz 1 GB media [JAZ1GIGPC] 2-5/5-9/10+	\$80/77/75
Jaz 2 GB media [JAZ2GIGPC] 2-5/5-9/10+	\$85/80/77

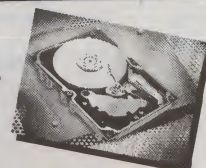
DIGITAL CAMERAS

Brand/Model	Resolution	Zoom	Part # Price
Epson PhotoPC 650	1152x864	n/a	(PPC650) \$279
Epson PhotoPC 3000Z	2544x1904	3X/6X	(B123011F) \$919
Sony Mavica	1472x1104	8X/16X	(MVCFD90) \$619
Sony Mavica	1600x1200	10X/20X	(MVCFD95) \$928
Orange Micro iBOT	FireWire Digital Vid.	(70HTL00101)	\$105

ULTRA/160 SCSI HARD DRIVES



Seagate drives feature the industry's most complete protection solution for data.



Capacity	Buffer	Speed	Part Number	Int.	Ext.
9.2GB	4MB	10,000	ST39205LW	\$238	\$368
18GB	4MB	15,000	ST318451LW	\$412	\$542
18.4GB	2MB	7200	ST318437LW	\$300	\$430
18.4GB	4MB	10,000	ST318405LW	\$333	\$463
36.7GB	2MB	7200	ST336737LW	\$503	\$633
36.7GB	4MB	10,000	ST336705LW	\$565	\$695
73.4GB	4MB	10,000	ST373405LW	\$960	\$1090
73.4GB	16MB	10,000	ST373405LWV	\$982	\$1112
181.6GB	4MB	7200	ST1181677LW	\$2145	\$2275
181.6GB	16MB	7200	ST1181677LWV	\$2178	\$2308

Quantum

Leads the Way in Performance and Reliability.



Capacity	Buffer	Speed	Part Number	Int.	Ext.
9.1GB	4MB	7200	COMING SOON	CALL	CALL
9.2GB	8MB	10,000	TY309200LW	\$211	\$341
18.3GB	4MB	7200	COMING SOON	CALL	CALL
18.4GB	8MB	10,000	TY318400LW	\$305	\$435
36.7GB	4MB	7200	COMING SOON	CALL	CALL
36.7GB	8MB	10,000	TY336700LW	\$461	\$591
73.4GB	8MB	10,000	TY373400LW	\$973	\$1103



We are determined to be #1 Call Us!

Ultra 160 SCSI

Capacity	Buffer	Speed	Part Number	Int.
9.1GB	4MB	10,000	07N3220	\$212
18.3GB	4MB	10,000	07N3210	\$274
36.9GB	4MB	10,000	07N3200	\$472

ULTRA 320 SCSI (320MB/sec) COMING SOON! CALL!

MAKE IT REMOVABLE



Your data is valuable to you. Keep it safe by keeping it with you. Key on your drive when you start in the morning, key off & take it home with you at night. This is the best data security measure on the market.

DATA-PORT V Removable Drive Brackets

High quality construction. Gold plated connections. Features built in cooling fan, SCSI ID switch. Metal frame construction. Plastic cartridge with metal top and bottom covers. IDE 66 is backward compatible with ATA-33 drives.

COMPLETE KIT		PLATINUM	BLACK
Includes 1 frame, and 1 cartridge			
IDE 66 with plastic cartridge (DP2200A66)	\$79	n/a	
IDE 66 with metal cartridge (DP2200AM66)	\$87	\$96	
ULTRA WIDE SCSI (DP2200UW)	\$105	\$114	
EXTRA CARTRIDGE			
Plastic IDE 66 (DPACART66)	\$42	n/a	
Metal IDE 66 (DPACARTM66)	\$50	\$60	
ULTRA WIDE SCSI (DPWUCART)	\$61	\$71	
EXTRA FRAME			
IDE 66 (DPAFRAME66)	\$44		
ULTRA WIDE SCSI (DPWUFRAME)	\$51		

Check out the entire family of DataPorts on our website. We have them all from the original DataPort I to the new DataPort VIII. Go to www.megahaus.com/dataport

MULTIMEDIA

• Graphics Cards •

ATI RAGE FURY PRO	(100-416237)	\$105
ATI All-In-Wonder Rage 128	(100-708036)	\$169

• Video Editing •

Studio DC10plus Motion-JPEG Video Capture Kit	(160300010R)	\$89
MicroVIDEO DV500 Digital Video Editing Kit	(16535001N)	\$829
MicroVIDEO DC50 Digital Video Editing Kit	(510001)	\$1639
MicroVIDEO DC30pro Dig. Video Editing Soft.Kit	(330001)	\$489
MicroMOTION DC30+ Video/Audio Editing for Mac	(331001)	\$539

Sales Hours (CST):

Mon - Fri: 7am - 8pm

Sat: 9am - 3pm

"We appreciate your business!"

1-800-786-1153

PERFORMANCE AND RELIABILITY

Quantum Snap! Servers

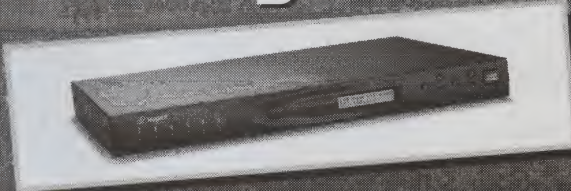
Bring up a Quantum file server and have it on line in minutes.

PERFORMANCE AND RELIABILITY

15GB Single Drive (5325301103)	\$479
30GB Single Drive (5325301105)	\$719
60GB Two Drive (5325301101)	\$1159
240GB Four Drive (5325301276)	\$3675

PERFORMANCE AND RELIABILITY

Seagate



Seagate NASRaQ Network Storage at it's finest and easiest!

Fast, easy installation and administration - a person without training can install a NASRaQ in 15 minutes or less.

60GB \$945

RAID PRODUCTS

• IDE RAID Tower •
Lowest Cost-Per-MegaByte RAID!
 Mission Critical RAID 0 and 5 with very affordable IDE drives. 500GB capacity configured for RAID 5 boasts benchmarked data transfer rates in excess of 35MB per second. RAID-ATA500 500GB capacity only \$5959

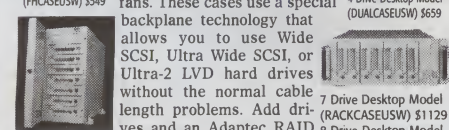


• SCSI RAID-READY Towers •
 We carry a wide selection of RAID Ready multidrive towers with hard drives in DataPort™ removable systems. See our selection at www.megahaus.com/raid. Here's just a few of our best sellers.

Total Cap	#Drives	Each Drive/Speed	Item No.	Price
45GB	5	9GB/7200rpm	ARR45-7EX	\$2189
72GB	4	18GB/10,000rpm	ARR72-10EX	\$1959
90GB	5	18GB/7200rpm	ARR90-7EX	\$2679
144GB	4	36GB/10,000rpm	ARR144-10EX	\$3039
216GB	6	36GB/7200rpm	ARR216-7EX6	\$4279
252GB	7	36GB/10,000rpm	ARR252-10EX	\$5219

#DataPorts	Interface	Item No.	Price
2	Ultra2 SCSI	FHCASEUSW	\$549
4	UltraWide SCSI	DUALCASEUSW	\$659
8	Ultra2 SCSI	QUADCASE8U2	\$1179

• RAID Suitable Enclosures •
 These hard drive enclosures are perfect for RAID or multiple drive applications. They feature hot swappable drive shuttles, and large cooling fans. These cases use a special backplane technology that allows you to use Wide SCSI, Ultra Wide SCSI, or Ultra-2 LVD hard drives without the normal cable length problems. Add drives and an Adaptec RAID controller for your complete high end RAID solution. We are the Number One source for RAID in the US. Call our experts & let us configure one for you.



2 Drive Desktop Model (FHCASEUSW) \$549	4 Drive Desktop Model (DUALCASEUSW) \$659
7 Drive Desktop Model (QUADCASEUSW) \$1089	8 Drive Desktop Model (QUADCASE8U2) \$1179

We Appreciate Your Business. Call us & see why we are the Best Place to Buy! www.megahaus.com.

• SCSI CD ROM Drives •						
Brand	Model	Max Spin	Speed	Internal	External	
Teac	CD532S	32X	85ms	\$72	\$132	
NEC	CDR3010	40X	85ms	\$67	\$127	
Plextor	PX40TS(tray)	40X	85ms	\$87	\$147	
Kenwood	UCR415	52X	90ms	\$139	\$199	
• WIDE SCSI CD ROM Drives •						
Plextor	PX40TSUW	40X	85ms	\$99	\$189	Kit
• ATAPI CD ROM Drives (IDE) •						
Teac	CD540E	40X	85ms	\$43	\$73	
Mitsumi	CRMCFX48X	48X	65ms	\$39	\$69	
Acer	CB650P	50X	85ms	\$39	\$69	
Creative	SBCDS2	52X	100ms	\$37	\$67	
Kenwood	UCR421	72X	100ms	\$92	\$122	

• CD ROM Towers •
 Above drives configured in multiple drive towers. For fast access to multiple CD's at one time. Perfect for schools, networks, and more.

We have towers from 2 drives to 14 drives and up to 52X.
Call us for custom configurations - including CD Rewriters!

• Auto Switching Ethernet CD Towers •
 Auto switches between 10 baseT or 100 base T Ethernet connection. Hooks directly to your network. Designed for mixed LAN environment - can be used simultaneously from Win 95, NT, Win for Workgroups, OS/2, HTTP, Mac, and UNIX. Pre-assembled.
 40x drive speed, 8 drive tower. (MIT40X8N) \$1189
 48x drive speed, 8 drive tower. (MIT48X8N) \$1295

• IDE CD Rewriters (Int. incl sft, 1R & 1RW disk) •				
Acer 12x8x32 IDE (no R disk)	(CRW1208A)	\$145		
Sony 12x8x32 IDE	(CRX160E/A1)	\$189		
Hewlett Packard 12x8x32 IDE	(C4502A)	\$195		
Creative 12x10x32 IDE	(CDRW121032)	\$225		
Plextor 12x10x32 IDE	(PXW121032R)	\$225		
Teac 12x10x32 IDE	(CDW512E/KIT)	\$205		
Yamaha 16x10x40 IDE Bare Drive	(YCRW2100E)	\$229		
Plextor 16x10x40 IDE	(PXW1610TAR)	\$255		

• SCSI CD Rewriters •				
Plextor 12x4x32 SCSI Int/Ext	Bare	(PXW12432B/X)	\$249/	\$309
HP 12x8x32 SCSI Int/Ext	Kit	(C4506A/X)	\$279/	\$339
Plextor 12x10x32 SCSI Int/Ext	Bare	(PXW1210TSB/X)	\$279/	\$339
Yamaha 16x10x40 SCSI Int	Kit	(CRW2100SX)	\$269/	N/A

• USB & 1394 CD Rewriters •				
Teac 4x4x6 USB	(CDW54EUSB)	\$205		
Sony 4x4x6 USB	(CRX100E/X2)	\$265		
Sony 12x8x32 1394	(CRX1600L/A2)	\$309		

We also carry a wide selection of CD media! CALL!

• CD RECORDABLE MEDIA •			
CDR-74 in jewel case			
16x	Budget 5/20/50/100 pack		\$5/\$18/\$42/\$78
16x	Standard 5/20/50/100 pack		\$6/\$24/\$56/\$105
16x	Platinum 5/20/50/100 pack		\$6/\$24/\$57/\$106
Printable CDR-74 in jewel case			
16x	Budget 5/20/50/100 pack		\$4/\$15/\$35/\$66
16x	Standard 5/20/50/100 pack		\$7/\$26/\$62/\$115
CDR-80 80 minute media			
16x	Budget 5/20/50/100 pack		\$4/\$13/\$32/\$59

• CD REWRITABLE MEDIA •			
CDR-74W in jewel case			
4x	Budget 5/20/50/100 pack		\$6/\$24/\$56/\$104
4x	Standard 5/20/50/100 pack		\$12/\$45/\$107/\$199
10x	Standard 5/20/50/100 pack		\$17/\$64/\$150/\$280

Nobody beats MegaHaus for CD Media
We Will Not Be Undersold!

DVD DRIVES

Pioneer leads the way with these hot DVD deals!

Baro	Interface	CD Speed	DVD Speed	Part #	Price
Pioneer	IDE (slot)	40X/80ms	16X, 110ms	DVD106	\$85
Pioneer	IDE (tray)	40X/80ms	16X, 110ms	DVD116	\$89
Pioneer	SCSI	40X/90ms	10X, 120ms	DVD305	\$119

Record your own DVD movies!
 DVD Recorder, DVD-R write 1x, DVD-R read 2x, 4MB buffer, includes software and 3 DVD disks #DVRS201 \$3989
 Call for the best price on DVD media!

TOSHIBA Precision and Excellence					
Bare	Interface	CD Speed	DVD Speed	Part #	Price
Toshiba	IDE	48X/95ms	16X, 115ms	SDM1502	\$85

Complete DVD Kits
 MegaHaus 16X Drive kit [DVD16KIT] \$145
 Creative Encore 12X DVD Drive kit [CLDVD12KIT] \$145
 Hollywood MPEG-2 Decoder [HOLLYWOOD] \$55
 Waveless wireless transmitter allows you to transmit DVD movies from computer to TV [PCTOTV] \$89 or \$84 w/DVD drive.

Shop our web site with secure ordering 24 hours a day at:

WWW.MEGAHAUS.COM



DELA

BUD

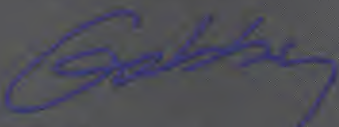
STEVE

CARLOS

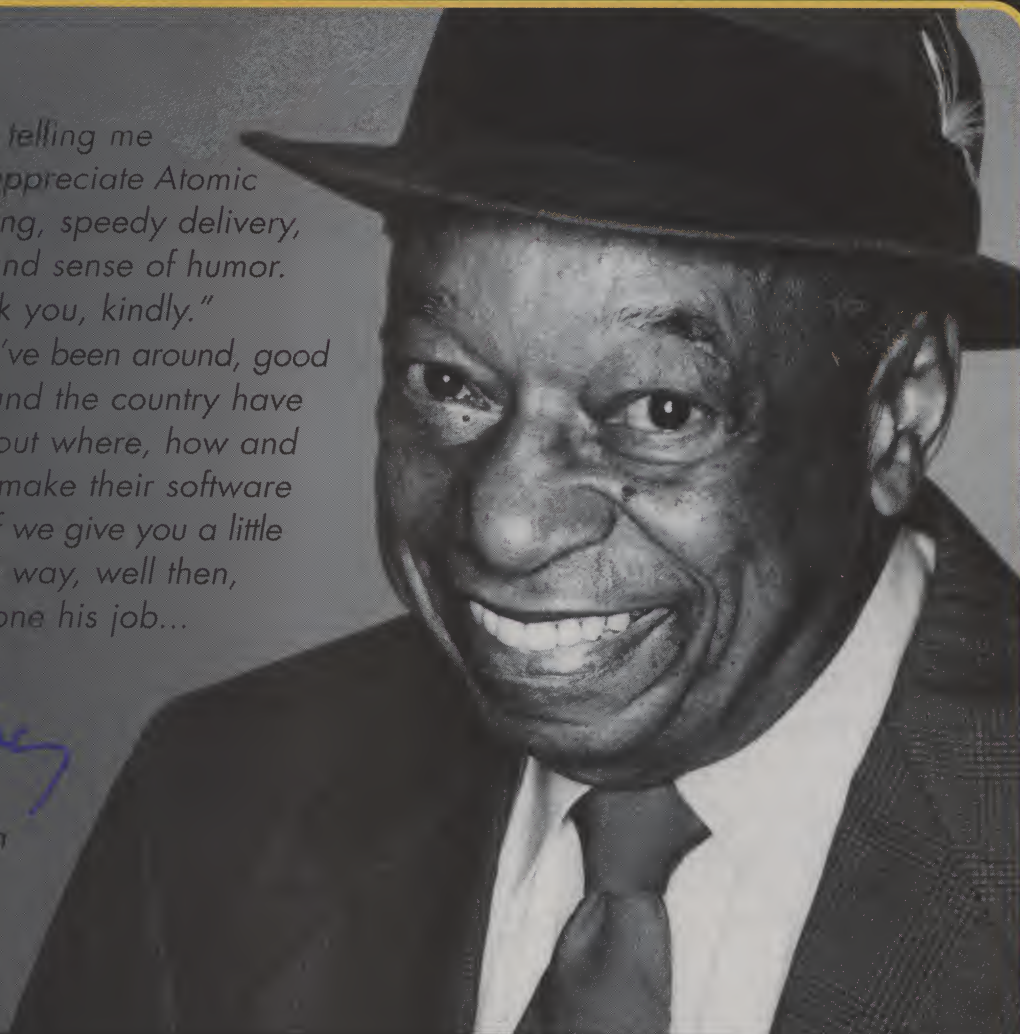
GABBY

Folks are always telling me how much they appreciate Atomic Park's great pricing, speedy delivery, super service... and sense of humor. And I say, "Thank you, kindly."

You see, since we've been around, good people from around the country have had a choice about where, how and from whom they make their software purchases. And if we give you a little chuckle along the way, well then, ol' Gabby has done his job... and then some.



Gabby Mashburn
Sr. Sales Associate



Have a little smile with your service.

NOTE: Upgrade/Full Version

Office 2000

Premium*\$339/\$527
Professional*\$239/\$399
Standard*\$149/\$359
Project 2000\$171/\$359

*Upgrades after \$40 Rebate



Microsoft Servers

Windows 2000 Server \$399/\$599
Advanced Server \$1557/\$2599
Small Business Server ...\$1155
BackOffice Server\$1799

Adobe Graphics

Illustrator V9.0\$347
Photoshop V6.0\$549
FrameMaker V6.0 ... \$649
Pagemaker V6.5 Plus \$427



Intuit Personal Finance

Quicken Deluxe 2001 ... \$35
Quicken Home&Biz 2001 \$69
Quicken Suite 2001\$52



Borland / Inprise

C++ Builder V5.0 ..\$236/\$446
Delphi V5.0 Pro ..\$228/\$449
J Builder V4.0 Pro ..\$349/\$599



Corel WordPerfect 2000/2002

Standard\$62/\$168
Professional ... \$165/\$214
Small Business ..\$127/\$284

MS Visual 6.0 Programming

Studio Enterprise ..\$722/\$929
Studio Professional \$425/\$658
Basic/C++ Pro ..\$229/\$397



Windows Operating Systems

Windows 2000 Pro \$137/\$232
Windows Me\$49/\$165
Windows 98.2\$85/\$159



Macromedia

Flash V5.0\$142/339
Freehand V9.0 ... \$134/329
Flash/Freehand Bundle \$515
Dreamweaver V4.0 ... \$279

Symantec

Anti-Virus 2000/2001\$18/27
SystemWorks 2000/2001\$32/48
SystemWorks 2000/2001 Pro ... \$45/67
ACT! 2000\$114
WinFax V10.0\$71
pcAnywhere 9.0/9.2/10.0 \$72/\$99



SYMANTEC: Previous/Current

FREE SHIPPING!

Super Software. Swell Prices. Splendid Service!

www.atomicpark.com • 888-322-4250

ATOMIC
PARK.COM

Business Buyer

Profit From Dead Dot-Coms' Excesses

Get beyond the images of carrion-chomping vultures, and you can find some bargains among the ruins of failed dot-coms. Online auctions are selling off these companies' assets, and a peek at the merchandise up for grabs offers valuable lessons about the dangers of excess.

"Some of these companies spent a fortune on top-of-the-line gear—not just computers but also office equipment," says Jeff Crowe, president and chief operating officer of auction house DoveBid (www.dovebid.com), which conducts both online and live auctions that last from several

hours to a full day. "You'd think these companies would have bought used equipment, but they bought everything new," he says. Some spent



thousands per station for office furniture.

At press time, dot-com casualties scheduled for DoveBid's auction block included music

site Riffage and ISP

AllAdvantage.com, where the booty included big-ticket Cisco routers, Sun servers, and hundreds of desktops and laptops.

Computer gear, including laptops, desktops, servers, network equipment, routers, and telecom equipment, accounts for most of the take at these types of auctions, says Crowe. "We've even seen huge tandem servers equivalent to mainframes," he says. "This is the best time to buy used computer equipment. Much of it is less than 12 months old and is fetching 20 to 30 cents on the dollar."

Bid4Assets (www.bid4assets.com) has also auctioned off its share of dot-com flotsam,

having conducted auctions for about 20 failed Internet companies, says Bill O'Leary, vice president of marketing. Noting 25 percent of the company's auction assets come from those companies, he says he sees the "same assets over and over again." These include desktops, laptops, servers, networking equipment, telecom equipment, office furniture, and domain names. He's even seen biotech patents on the block.

Bid4Assets' clients have included e-tailer Value America, which holds the dubious honor of being the first publicly traded Internet company to file Chapter 11; eCitydeals.com, a service set up, ironically, to provide auction services to local governments; and CivicZone.com, a portal that provided communications services to local civic organizations.

"These companies had business models that were unsustainable," says O'Leary. "They didn't have a strong way to make revenue." Yet they spent lavishly.

"I'm surprised they purchased computer equipment the way they did," he says. "They may have been better off leasing."

—Nancy A. Lang

Privacy, Please

Pprivate exchanges are gaining favor over their public counterparts, according to industry experts. "Ninety-three percent of B2B e-commerce last year was done bilaterally [between two companies], or via a private exchange," says Steve Butler, senior analyst for Internet research firm eMarketer.

Private exchanges are usually run by one large company connected to its suppliers behind a secure network.

Among the best known is Wal-Mart's Retail Link exchange.

A variety of factors have contributed to private exchanges' sudden proliferation. For starters, too many companies were trying to run public exchanges within the same industry, leading to a shakeout, according to Deloitte Consulting, which expects more than 1,000 of the 1,500 exchanges in existence as of September 2000 to fold.

—Donna Tapellini

Broadband Works

Broadband access at work is on the rise, according to a new report by Jupiter Research. Currently, 24.2 million, or 57 percent of, at-work Internet users have access to broadband, the report reveals. By 2005, that number will reach nearly 55 million, or 87 percent. (Jupiter defines broadband as a minimum speed of 256kbps downstream.)

—D. T.

At-Work Broadband Users (In Millions)



Numbers for 2001 onwards are projected.

Source: Jupiter Research



A SUB-\$1000
SERVER.
ANOTHER
PRICE BARRIER
SHATTERED.

DELL

PowerEdge
300SC



Dell™ Rated #1 in Intel® Server Satisfaction, 10th Consecutive Quarter
Technology Business Research Corporate IT Buying Behavior and Customer Satisfaction Study.
— 3rd Quarter 2000, December 14, 2000

The New Dell™ PowerEdge™ 300SC server. Ideal for a company that wants to free up those overworked desktops and introduce a server to their network. With dual Intel® Pentium® III processor capabilities, up to 120GB internal storage capacity and a price that shatters the competition, what better way to get started?

DELL™ SERVERS:

DELL™ POWEREDGE™ 300SC

NEW—Basic Server at Our Lowest Price

- Intel® Pentium® III Processor at 800MHz (up to 850MHz)
- Dual Processor Capable
- 64MB 100MHz ECC SDRAM (up to 1GB)
- 10GB⁵ (7200 RPM) IDE HD (up to 40GB⁵)
- Intel® Pro/100+ PCI Ethernet Adapter
- 48X Max IDE CD-ROM
- Dell™ OpenManage™ Server Management Solutions
- 1-Yr NBD On-Site Service², Years 2 & 3 Parts & Labor
- 7x24 Phone Tech Support

\$899  **E-VALUE CODE**
05985-290408

BUSINESS LEASE: \$24/MO., 48 MOS.¹¹

- 2nd 10GB⁵ (7200 RPM) IDE HD, add \$109
- 2nd Intel® Pentium® III Processor at 800MHz, add \$399

DELL™ POWEREDGE™ 1400SC

NEW—Small Business Value Solution

- Intel® Pentium® III Processor at 800MHz (up to 1.0GHz)
- Dual Processor/RAID Capable
- 128MB 133MHz ECC SDRAM (up to 2GB)
- 9GB⁵ (7200 RPM) Ultra3 (Ultra 160) SCSI HD (up to 36GB⁵ 10K RPM)
- Integrated NIC/SCSI Controllers
- 48X Max IDE CD-ROM
- Dell™ OpenManage™ Server Management Solutions
- 3-Yr NBD On-Site Service²; 7x24 Phone Tech Support

\$1099  **E-VALUE CODE**
05985-290410

BUSINESS LEASE: \$30/MO., 48 MOS.¹¹

- 2nd 9GB⁵ (7200 RPM) Ultra3 SCSI HD, add \$219
- MS® Windows® 2000 Server, add \$799

DELL™ POWEREDGE™ 1400SC

NEW—Small Business Value Solution

- Intel® Pentium® III Processor at 866MHz (up to 1.0GHz)
- Dual Processor/RAID Capable
- 128MB 133MHz ECC SDRAM (up to 2GB)
- 2x9GB⁵ (7200 RPM) Ultra3 (Ultra 160) SCSI HD (up to 36GB⁵ 10K RPM)
- Integrated NIC/SCSI Controllers
- 48X Max IDE CD-ROM
- Dell™ OpenManage™ Server Management Solutions
- 3-Yr NBD On-Site Service²; 7x24 Phone Tech Support

\$1399  **E-VALUE CODE**
05985-290413

BUSINESS LEASE: \$38/MO., 48 MOS.¹¹

- Additional 128MB Memory, add \$149
- Small Business Bundle Upgrade, add \$1879

DELL™ POWEREDGE™ 2400

Scalable Workgroup Server

- Intel® Pentium® III Processor at 866MHz (up to 1.0GHz)
- Dual Processor/RAID Capable
- 128MB 133MHz ECC SDRAM (up to 2GB)
- 9GB⁵ (7200 RPM) Ultra2/LVD SCSI HD (up to 73GB⁵ 10K RPM)
- Integrated NIC/SCSI Controllers
- 40X Max SCSI CD-ROM
- Dell™ OpenManage™ Server Management Solutions
- 3-Yr NBD On-Site Service²; 7x24 Phone Tech Support

\$1599  **E-VALUE CODE**
05985-290415

BUSINESS LEASE: \$44/MO., 48 MOS.¹¹

- 2nd 9GB⁵ (7200 RPM) Ultra2/LVD SCSI HD, add \$249
- Red Hat® Linux™ 7.0, Factory Installed, add \$0



USE THE E-VALUE CODE TO GET EXACTLY WHAT YOU WANT

800.822.1605

WWW.DELL.COM



USE THE POWER OF THE E-VALUE CODE. Match our latest technology with our latest prices. Enter the E-VALUE code online or give it to your sales rep over the phone. www.dell.com/evalue

Dell recommends Windows 2000 Professional for business.

Call: M-F 7a-9p | Sat 10a-6p | Sun 12p-5p CT | Canada: 800-232-6306 | Mexico: 001-877-269-3379 | GSA Contract #GS-35F-4076D
Prices, specifications and availability may change without notice. Taxes and shipping charges extra, and vary. Cannot be combined with other offers or discounts. U.S. only. *For a copy of our Guarantees or Limited Warranties, write Dell USA L.P., Attn: Warranties, One Dell Way, Round Rock, Texas 78682. **Service may be provided by third party. Technician will be dispatched, if necessary, following phone-based troubleshooting. To receive Next-Business-Day service, Dell must notify service provider before 5 pm (depending on service contract) customer's time. Availability varies. For hard drives, GB means 1 billion bytes; accessible capacity varies with operating environment. ¹¹Business leasing arranged by Dell Financial Services L.P., an independent entity, to qualified customers. Lease payments based on 48-month FMV purchase option lease and do not include taxes, fees and shipping charges. Subject to credit approval and availability. Lease terms subject to change without notice. Dell, the stylized E logo, E-Value and PowerEdge are trademarks of Dell Computer Corporation. Intel, the Intel Inside logo and Pentium are registered trademarks of Intel Corporation. MS, Microsoft, Windows NT and Windows are registered trademarks of Microsoft Corporation. Dell cannot be held responsible for errors in typography or photography. ©2001 Dell Computer Corporation. All rights reserved.



SUPERIOR QUALITY. SUPERIOR SERVICE. UNBELIEVABLE PRICE.



Dell™ Rated #1 in Desktop Satisfaction,
10th Consecutive Quarter
*Technology Business Research
Corporate IT Buying Behavior and
Customer Satisfaction Study.*
— 3rd Quarter 2000, December 14, 2000



**USE THE POWER OF
THE E-VALUE CODE.**
Match our latest technol-
ogy with our latest prices.
Enter the E-VALUE code
online or give it to your
sales rep over the phone.
www.dell.com/evalue

No, you're not dreaming. These are the right specs. That is the right price. Essentially, you are getting a muscle machine with an Intel® Pentium® III processor at 933MHz, a 20GB⁵ hard drive and advanced video features for the price of something far less impressive. Can you get the same kind of deal somewhere else? Can you find the same award-winning service and support? Good luck. Were you born a smart shopper? We believe you were.

DELL™ DIMENSION™ L

Affordable Business Desktop

- Intel® Pentium® III Processor at 933MHz
- 64MB SDRAM (up to 512MB)
- 20GB⁵ Ultra ATA/100 HD
- 15" (13.8" vis) E551 Monitor
- Intel® 3D® AGP Graphics
- 48X Max CD-ROM
- MS® Windows® Me & MS® Works Suite 2001 & Norton® AntiVirus™
- 1-Yr Ltd Warranty²; 1-Yr NBD On-Site Service³

\$749  **E-VALUE CODE**
05984-590407a

BUSINESS LEASE: \$21/MO., 48 MOS.¹¹

- 17" (16.0" vis) E770 Monitor, add \$60
- 3-Yr Ltd Warranty²; 1-Yr NBD On-Site Service³, add \$69



USE THE E-VALUE CODE TO GET EXACTLY WHAT YOU WANT

800.822.1605

WWW.DELL.COM

Dell recommends Windows 2000 Professional for business.

Call: M-F 7a-9p | Sat 10a-6p | Sun 12p-5p CT | Canada: 800-232-6306 | Mexico: 001-877-269-3379 | GSA Contract #GS-35F-4076D

Hang Up And Hop Online

Internet phone services can take a huge bite out of your long-distance bills.

BY RICHARD CASTAGNA

ONCE A MONTH, SMALL-BUSINESS OWNERS ACROSS THE COUNTRY share a painful moment as they open their phone bills. Long-distance charges, they lament, are an unavoidable cost of doing business.

But are they? The truth is, you can make all your domestic long-distance calls for free. No, we're not talking about those chummy-sounding long-distance plans; we're talking IP telephony. It's a techie term for using the Internet to make phone calls, often courtesy of company sponsors. At least for now, most Internet phone services tap advertisers rather than dialers for their revenues.

Use Net2Phone (www.net2phone.com), for instance, and you'll see a message stating "Phone call brought to you by..." and a banner ad in a pop-up window. Such windows are only mildly distracting, however, and don't interfere with your call. You will pay for international calls, but these services charge considerably less for these calls than traditional long-distance companies.

IP phones turn the Internet into something akin to the traditional phone network. Your calls are digitized and routed through the Net, just as data is shunted about when you visit Web sites or send e-mail.

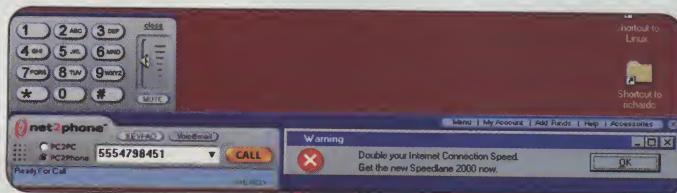
YOUR IP PHONE KIT

To use an Internet phone service, you'll need an Internet connection (the faster the better), a sound card, headphones, and a microphone. (A headphone/mic combo works best.) When you sign up with a service, you'll download the necessary communications software. Some services offer proprietary software; others work with free programs such as Microsoft NetMeeting or CUseeMe Networks' CUseeMe.

You can place Internet calls three ways. PC-to-phone is easiest because it connects with virtually any telephone. Phone-to-phone uses the Internet to route calls, but it requires connections to and from the public phone system, so there's usually a charge. And PC-to-PC requires both parties to be at



iConnectHere's interface is larger than most, but it offers easy volume control and one-button phone-book access.



Net2Phone's ads appear in the panel on the right, as well as in a pop-up window. You can avoid the ads by using the basic keypad.

their PCs and set up with the proper hardware and software.

You can use PC-to-PC or PC-to-phone services without a PC by using an Internet phone appliance. Devices such as Cisco Systems' Komodo Fone connect to a regular telephone and use your ISP account to place calls over the Internet.

Using Internet phone services is easy. Their interfaces resemble cell-phone dial pads, and most let you move them around so they won't interfere with your other applications. Call quality is surprisingly good with a fast Internet connection. Without one, you may not be able to discern the subtleties or nuances in a person's voice.

SAY HELLO

Of the dozens of Internet phone services, all work essentially the same way. Sites with their own software offer easy download and installation, and often a wizard to help you set your headphone and microphone sound levels. Net2Phone, iConnectHere (www.icconnecthere.com), and PhoneFree.com (www.phonefree.com) have proprietary software you can download, install, and configure in 15 minutes. FreeWebCall.com (www.freewebcall.com) uses Microsoft NetMeeting conferencing software.


All of these services let you store numbers in a directory, and all offer free domestic long-distance calling, with one exception. PhoneFree, now a misnomer, lets you make free PC-to-PC calls, but has begun charging 2 cents per minute for PC-to-phone calls. International rates, listed by country at most sites, generally start at 8 cents per minute.

Sound quality and response was acceptable on the services mentioned here when tested using a 44kbps dial-up connection. With a broadband connection, we noticed marked improvement across the board.

THE BEST CONNECTION

Services with their own software are easier to use, but if you think you might use several services or change frequently, find those that use "standard" software such as NetMeeting so you won't have to adjust to a new interface

each time you switch. With so many choices, you shouldn't have trouble finding a service you like. Try one of the services mentioned here, or search the Net for "Internet phones." You'll get a long enough list for a weekend's worth of testing, so use the opportunity to catch up with far-flung friends and family. ▼

**BUILDING
YOUR BUSINESS** 

Bull's-Eye Marketing

by Dave Methvin

Here's how to get the right message to those who buy.

Your customers are out there somewhere. How will they find you—or you them? The usual avenues for free publicity, such as having your site indexed by search engines and listed on all the free directory sites, won't provide enough traffic to grow your business, and there's no guarantee those who get to your site will actually buy something. You need to put your hard-earned money where it can do the most good. But where is that?

To find out, you first need to determine where your site traffic is coming from. You can use your Web site's traffic logs and one of the many statistics programs to determine which sites provide the most referrals. (See "Get the Scoop on Site Visitors," January, p. 216.) In addition, when you place Web ads, most sites will tell you how many times your ad was seen on their site and how many people clicked it. To double-check the data you're getting, you can link that ad to a special page on your site.

BY WEB OR MAIL

Web banner ads are the most common form of Internet advertising, and they should be part of your arsenal. But they aren't your only option. Sites such as Respond.com (www.respond.com) and eWanted.com (www.ewanted.com) let motivated buyers make their own customized requests for your products or services. This is useful if your offerings can't be easily boiled down to a catalog with fixed prices. Business directory sites such as YellowPages.Com (www.yellowpages.com), SuperPages.com (www.superpages.com), and Smartpages.com (www.smartpages.com) may also be worth checking out, especially if your business has a geographical aspect to it.

Advertising in e-mail newsletters offers advantages, as well. Newsletters "push" their content to the user's in-box, so it's more immediate than a Web banner and can help you target specific types of users. You'll find dozens of such specialty newsletters at InfoJump (www.infojump.com). The Country Crafts Newsletter (home.att.net/~DLeddy/newsletter.html), for instance, lets you reach 4,000 crafts lovers for \$20 per issue, a \$5 cost per thousand impressions (CPM). And com-

puter-oriented newsletters such as Lockergnome.com (www.lockergnome.com) and ZDNet's AnchorDesk (www.zdnet.com/anchordesk) can reach as many as 1 million users or more for a CPM of less than \$10. (ZDNet is owned by CNET Networks, *Computer Shopper's* parent company.)

Before you advertise in an e-mail newsletter, look at a few back issues or subscribe yourself to make sure it's legitimate. Newsletters should be "double opt-in," meaning subscribers must return a confirmation e-mail. This ensures subscribers *want* to be on the mailing list, and that someone else hasn't subscribed for them without their permission. You don't want your subscribers to consider your newsletter spam.

CRUNCH THE NUMBERS

To determine the effectiveness of your advertising efforts, you need to make some payback calculations. The key measurement for your online ad is CPM, where an impression is a single person viewing your ad. By itself, that number doesn't tell you whether it will be cost-effective to advertise. The real measure of success is how many visitors from a particular source end up buying



something. You can automatically track this statistic if your Web-store software lets you record the original referrer of a visitor with the order. If it doesn't, you can give buyers an incentive to tell you where they saw your ad, such as an online coupon code that provides a modest discount.

Now, let's assume you sign up for Web banner ads with a CPM of \$40, opting for 1 million exposures, or \$4,000. Using one of the tracking methods described earlier, you determine 5,000 viewers clicked the ad, resulting in a click-through rate of 0.5 percent (5,000 divided by 1 million) and a cost per click of 80 cents (\$4,000 divided by 5,000).

Eighty cents per click sounds good, right? Not so fast. Let's say only 250 of those 5,000 people buy something. (The ratio of browsers to buyers is often called the conversion rate, which in this case is 250 divided by 5,000, or 5 percent.) You paid \$4,000 for the ads and ended up with 250 sales, so your cost per sale is \$16 (\$4,000 divided by 250). If your average profit per sale is \$12, you lost \$4 per sale. If business gets much better, you'll soon run out of money!

So how can you make Internet advertising work? Assuming you can't raise your

prices to increase profit margins, you'll need to buy ads with a lower CPM, increase the click-through rate, improve your conversion rate—or do all three. Let's look at the effects of each of these possibilities.

Lower your CPM: Because it's one of the few numbers out in the open, it's easy to get hung up on the CPM. CPM rates range from \$5 to \$50. Although a low CPM may sound tempting, a site, newsletter, or ad network with a high CPM may be a better buy if it delivers more users and ultimately more buyers.

Increase your click-through rate: To some extent, click-through depends on a good match between the audience and the product or service you're selling. But the quality and variety of banner ads you use can also affect click-through. Create at least a half-dozen banners with different messages, colors, and styles, and run them concurrently. Keep track of which ads draw well and constantly create new banners to replace the duds. Don't expect miracles, though; typical click-through rates on the Internet are generally much lower than 1 percent.

Improve your conversion rate: If there's one factor you can control, it's the conver-

sion rate. Once surfers click an ad and arrive at your site, there's a lot you can do to keep them, and if you're not careful, even more you can do to lose them. If you've mentioned a specific product or group of products in an ad, don't just drop visitors on your home page and leave it to them to hunt for the product. Instead, take them to a product-specific page, but make it easy for them to find other related products on the site. Also, make sure your shopping cart and order process is easy to navigate.

Although you can calculate ad cost per sale with precision, it won't always tell the whole story. For instance, maybe someone saw your banner ad, didn't click on it at the time, but later decided to visit your site. (This is an excellent reason to put your domain name in all banner ads.) Or perhaps a customer who originally found your site through a banner ad loves your products and now returns to the site regularly to make purchases. None of these cases is reflected in the cost calculation described earlier, so think of this as a worst-case estimate of the return on your ad investment.

CUSTOMERS AS PROMOTERS

The value of a customer who loves your products can't be underestimated. "Existing customers can provide referrals for people they know who will be interested in your products," says Hans Peter Brondmo, author of the book *The Engaged Customer* (www.engagedcustomer.com). Through an affiliate or bounty program, you can even offer money to existing customers who refer new customers. This type of marketing can be extremely cost-effective. Even if you offer someone \$5 per referral, that's less than one-third the cost of the ad campaign in our example. You can also use this principle to cross-promote your products with other noncompetitive sites, notes Brondmo.

This type of bull's-eye marketing requires a strategy. Start by using a wide variety of advertising media, including banner ads, e-mail newsletters, and directory sites. Track the statistics for click-through and conversion rates, and then concentrate your money in the areas that provide the best bang for the advertising buck. Once you have a customer, make the referral process easy. If you can do these things well, you'll be right on target. ▼

NETWORKABLE 

Cut the Cord



A wireless network has many advantages. Here's what you need to know to set one up.

by Richard Santalessa

Technology's never seen a shortage of hype, and wireless is no exception. But wireless networking is real, effective, and here to stay for corporate and small-office/home-office environments.

The reason for wireless networking's growth is basic economics: Setting up a wireless LAN (WLAN) can save time and money, especially in new unwired offices or locations where pulling cable is expensive or impossible. Pulling cable and installing a networking port costs from \$75 to \$150 per workstation, depending on conditions and locations. Wireless networking is faster and easier to set up.

Further, the added mobility of being able to roam between departments, floors, and buildings while remaining tapped into the network provides unmatched freedom. And by using 802.11b's ad hoc mode, which provides independent peer-to-peer connectivity, notebooks and desktops can communicate directly with each other in a peer-to-peer fashion.

Need more convincing? With prices for 11mbps 802.11b networking cards now below \$200, and the necessary hubs—called access points—dropping into the under-\$300 range, the new economics of wireless networking is expected to fuel demand. Worldwide shipments of wireless LANs are projected to reach 11.8 million units by 2004 and \$1.6 billion by 2005, according to research from IDC and Frost & Sullivan, respectively.

CUT THE BUZZWORD CLUTTER

Like all things tech-related, the wireless world is a blizzard of buzzwords and acronyms. Fortunately, you need to know only a few terms to get started. First, Wi-Fi, short for Wireless Fidelity, is an acronym, trademark, and logo the Wireless Ethernet Compatibility Alliance (WECA) uses to identify IEEE 802.11b products that have passed its interoperability and compatibility tests. To date, it has certified 67 products.

The first 802.11 wireless equipment communicated at 1mbps and 2mbps. Although current 802.11b equipment supports these speeds, as well as today's 5.5mbps and 11mbps levels, the two systems aren't compatible. But the 802.11b specification is dynamically flexible; depending on the current signal strength and interference encountered by an 802.11b-equipped PC, the connection speed can automatically fall back to a slower level, or move up to the faster 5.5mbps or 11mbps speeds.

IEEE groups are crafting additional extensions to the 802.11b standard. Among current proposals is 802.11e, which adds quality of service (specifying a guaranteed throughput level), enhanced security, and a multimedia component to support streaming audio and video. Another proposal is 802.11g, which pushes wireless networking performance to the 22mbps to 26mbps range, depending on the transmission scheme. Then there's 802.15, also known as Bluetooth, which, in official IEEE parlance,

is known as a wireless personal area network (WPAN) and has a top data rate of 720kbps.

Bluetooth doesn't compete with 802.11b, but another wireless networking scheme, HomeRF, does, despite its backer's contention that it's aimed at the home networking market. Each wireless scheme has a different amount of bandwidth and calls on different methods of spread-spectrum technology to minimize interference. HomeRF and Bluetooth use frequency-hopping spread spectrum (FHSS); 802.11b uses direct-sequence spread spectrum (DSSS). Unless you're an electrical engineer, the only thing you need to know is that none of the three systems talks to any of the others. Where all three are alike is in their use of the unlicensed 2.4GHz frequency spectrum.

SECURITY CONCERNS

Another commonality among the three technologies mentioned above is their perceived security weakness. Because wireless networking uses radio waves to communicate data instead of signals across an encased fixed wire, it transmits information across a broad area, potentially outside your office's walls. In everyday use, however, this "calling all cars" method of broadcasting data is less of a threat than it

appears for all but the most sophisticated and concentrated attacks.

First, don't lose sleep worrying about any-

access points call the network ID by its technical name, Basic Service Set Identification. Intel's APs dub the network ID the ESSID. The 3Com AirConnect APs call the network ID the Wireless LAN Service Area. SMC Networks' APs use the term LAN

Service Area. Regardless of the nomenclature, unless the connected PC and the AP have the same network ID, the two stand as much chance of communicating as the U.N.

Security Council during a translator strike. Keep this in mind when configuring APs from different vendors, and you'll save yourself a few hours of head scratching. Also, each network ID can handle a maximum of 256 APs.

In addition, unless APs and 802.11b wireless cards use the same numeric communications channel, there won't be any communication. The channels were designed to

address the slightly different slices of the 2.4GHz spectrum band allocated for wireless networking around the world. (The United States has 11 channels, Europe has 13, and Japan has 14.) But in a pinch, they can be called upon to provide another level of security, and to split up overlapping AP ranges to keep the maximum number of clients per AP at a reasonable level. For most purposes, however, APs in an overlapping coverage area should be set to different channels separated by five (that is, channels 1, 6, and 11), so APs won't interfere and will provide their full available band-



one walking by outside with an 802.11b-equipped laptop. To connect to an access point (AP), it would need to be using the same network ID. Ironically, one of the most annoying aspects of setting up multiple APs from different vendors, even those with Wi-Fi certification, is that each vendor seems to revel in giving the 6-byte network ID code a different name.

For instance, some

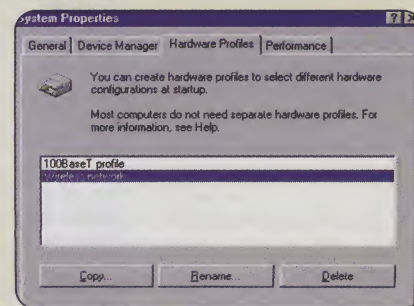
The Teleworker's LAN

If you believe the ads, everyone involved with wireless networking runs between offices and airports. Although the reality may be slightly more mundane, the ability to pop between offices and get networked and down to business is no fiction.

You, too, can switch between a wired 100BaseT and an 802.11b wireless network with nary a problem. The secret is setting up two different user hardware profiles. In one profile, the 100BaseT card is active, and in the other, the 802.11b card picks up the networking task. At startup, just select the right profile for your cur-

rent location. You'll never need to worry about removing either card.

In Windows 98, you define profiles in the Control Panel's System applet. The easiest way to create a new profile is to copy the existing profile—there's always at least one—give it a descriptive name (such as Wireless Network), and then modify the newly created profile. Each of the Windows 95, 98, and 2000 Resource Kits includes tools to help you administer profiles and flip between networks and hardware configurations.



width to connected wireless PCs.

Another piece of security most APs provide is the ability to view and define access-control lists, ranges of allowable wireless clients by individual Medium-Access-Control (MAC) addresses. These addresses are unique for every network interface card, whether wireless or wired.

Finally, 802.11b has the ability to use Wired Equivalent Privacy (WEP) encryption, which can be turned on or off at each AP. WEP calls on a 40- or 128-bit key, which you should be able to define yourself by entering a 10-digit hexadecimal code for each AP—if you can't, select a different vendor's AP—and RSA Data Security's RC4 encryption algorithm to encrypt communications with the AP. It's essentially the same security as a Web browser's 40- or 128-bit encryption.

Some APs add shared key authentication or MD5 member authentication to ensure only authorized wireless clients can reach the network. But as with any wired network link, you can add other means of encryption, such as IPSec, VPNs, and PPTP. Unfortunately, enabling WEP security can take its toll on performance, cutting total throughput up to 20 percent, depending on the AP.

GO WIRELESS

Now that you know the acronyms, you're ready to start experimenting with wireless networking. At minimum, you'll need two wireless 802.11b PC Cards or desktop cards. This is enough to allow two PCs to communicate in a peer-to-peer ad hoc network. But

to get a real taste for wireless networking, pick up a low-cost AP, such as Linksys' WAP11, which supports 32 users and a few PC Cards or PCI-card carriers.

The first thing you'll realize is that manufacturers' specs on how far you can be from an AP to get the full 11mbps are optimistic. Linksys, for instance, states a client can achieve 11mbps indoors up to 164 feet from the AP, while Intel plugs a more realistic 100 feet. The distance you achieve is contingent on the type of walls, if any, that stand between you and the AP. If any decent thickness of brick, steel, or concrete—especially reinforced concrete—stands in the way, you'll be lucky to get 1mbps or 2mbps. If wooden floors or Sheetrock walls are all that stand between you and the AP, hitting 11mbps within 100 feet in any direction should pose no problem.

At 11mbps, it takes a keen eye to spot a difference between an 802.11b wireless link and a standard 10BaseT line, particularly on a lightly loaded AP; the performance is that good. And if you're using the wireless link to tap into the Internet, even a connection at 1mbps feels speedy.

The one item an experienced network tech may discern is that, unlike standard wired Ethernet, a wireless PC link can't detect network collisions while transmitting. Packet collisions are common on both wired and wireless networks, thanks to the nature of Ethernet design. On a wired network, every client on the network "hears" every transmission, and a receiving PC sends an

NETWORKABLE

acknowledge (ACK) packet back for each item to let the sender know it arrived. On a

wireless system, however, a transmitting client won't necessarily receive an ACK packet and may continue to send information that won't arrive in the event of a collision. To address this, ACK packets on wireless systems are assigned a higher priority than any other network traffic.

LOCATION, LOCATION, LOCATION

As in real estate, the three things to remember when installing APs are location, location, location. Most high-end APs, including those from Intel, 3Com, and Cisco, include "site survey" utilities or WLAN tools to help you gauge the signal strength in different spots so you can position APs for maximum coverage.

If you've positioned the APs properly and with the same network ID, roaming should be seamless when moving from one AP to another. The original 802.11 wireless networking spec couldn't handle roaming between networks of different IP subnets; 802.11b can.

Beyond these basics, most APs include many other parameters and tweaks, such as SNMP management, filtering, various retry and threshold settings, and in some cases, the ability to connect a modem directly to an AP. Fortunately, you can administer nearly every AP through a Web browser, or by Telnet in some cases, and the better APs store a range of statistics to help you fine-tune their operation.

So what are you waiting for? Wireless networking isn't going to happen by itself, and there's no better time to give it a try. ▼

HomeRF for Your Home Office

A wireless technology aimed at residential users could be all your small business needs.

With prices of 802.11b access points and networking cards dropping to the mid-\$100 range, does HomeRF still make sense? In a word, yes—for installations where ease of setup and use are driving factors.

HomeRF is still relatively poky at 1.6mbps, but the FCC has approved increased bandwidth that will allow HomeRF 2.0 products to reach 10mbps, and 20mbps is on the drawing board. In addition, the upcoming HomeRF Shared Wireless Access Protocol (SWAP) 2.0 will add support for streaming audio and MPEG-1 video at 4mbps, as well as eight wireless phones.

Compared with 802.11b

systems, HomeRF cards and stations are much easier to install. Using the HomeRF-based Intel AnyPoint Wireless Home Network system, we connected a notebook (via an Intel Wireless 1.6 Mbps PC Card

Model adapter) and a desktop (over its USB port) to the network in the time it took to install the drivers and reboot both systems. To make sure this wasn't a fluke, we packed up the AnyPoint station and cards, and carried them to another location. Same result: The network was up and connected in minutes.

Not so for 802.11b, which, given its corporate nature, requires more tweaking of AP parameters and network settings. This isn't a flaw; it's simply the way 802.11b was designed to meet the more complex needs of corporate networking. But if your network consists of nothing more than a desktop in your office in the den and a notebook in any room, HomeRF is your best bet.



PRINTERS

HP HEWLETT PACKARD

DESKJET LASERJET

640 C	77	8000	1999
840 C	88	8000	2488
350	259	8000	2098
880 C	149	8150	2088
930 C	177	8150	2088
895CXI	177	8150	2088
950 C	199	8150	2088
980 CXI	229	8150	2088
990 CXI	235	8150	2088
1220 CXI	444	8550	2488
1220 CPS	555	8550	2488

THE AWARD-WINNING SERIES

EPSON STYLUS COLOR

BEST BUY

1270 \$333

900 \$188

875DC \$169

2000P \$747

CARTRIDGES BULK SPECIAL
 Black 4 for \$99 Color 3 for \$88
 HI DEFINITION PAPER 2 FOR \$44
 PHOTO PAPER 2 FOR \$44 • USB KIT \$49

Canon

Color BubbleJet

50 \$222

8200 \$177

450 \$125

6000 \$88

CARTRIDGES
 Black 2 FOR \$49 Color \$49

THE LEADING EDGE

LEXMARK

Z 52

Color Jetprinter
 The Leading Edge in Photo Quality

• 2400x1200 DPI in black & color.
 • Nearly 40% higher resolution than 2880 x 720 models!
 • 7 pages per minute color • PC/MAC

CARTRIDGES Black \$39 Color \$49

PHOTO QUALITY DESKJET

HP HEWLETT PACKARD

Deskjet 970 CXI

• Enhanced Color technology
 • Up to 12 page/minute black
 • 10 page/minute color
 • Two-sided printing
 • Print cancel button
 • Low-ink warning
 • Smudge-resistant results
 • Factory Renewed
 • 1 Year Warranty
 • 150-sheet paper tray
 • Wide paper range
 • Envelopes, Transparencies...
 • Network capable

895CXI \$155
950C \$169
930C \$129

BLACK INK...2 FOR \$59 • COLOR INK...\$59

Canon

EPSON STYLUS

BUBBLEJET

1000	39	8000	1999
2000	44	8000	2488
2100	55	8000	2488
3010	98	8000	2488
3000	129	8000	2488
80	189	8000	2488
85	260	8000	2488
50	288	8000	2488
55	333	8000	2488
6000	88	8000	2488
S 400	99	8000	2488
S 450	129	8000	2488
8200	177	8000	2488
1760	888	8000	2488

AFFORDABLE MID-LEVEL PRINTER

XEROX DocuPrint P12

• Easy-to-use
 • Flexible features
 • 600 DPI • 12 PPM
 • Handles 250 sheets
 • Factory Renewed
 • 1 Year warranty
 • All in one
 • Toner Cartridge
 • Up to 20,000 prints per month

OPTIONAL
 500 sheet feeder, plus a 80 sheet 10 envelope feeder

\$388

CARTRIDGES 2 FOR \$177

LOW COST LASER JET

HP HEWLETT PACKARD

LaserJet 1100

• 8 Page Per Minute
 • 600 DPI
 • 2MB RAM up to 18MB
 • Factory Renewed
 • 1 Year Warranty
 • 125 Sheet tray

\$333

CARTRIDGES 2 FOR \$177

LOWEST COST LED/LASER

OKIDATA

OKIPAGE 6W

• 6 Prints per Minute
 • 600x600 DPI
 • Windows
 • Compatible
 • Space saving footprint

TONER...2 for \$66
OKIPAGE 8W
 Same as above at 8PPM...\$198

\$177

FAST PRINTING

LEXMARK

M410

• up to 12 PPM,
 • 74 MHz processor,
 • less than 17 seconds time to first page
 • PostScript 3
 • PCL 6 emulations
 • USB and parallel standard
 • Single element cartridge
 • M 412...\$699

\$599

8MB...\$88 16MB...\$149

OKIDATA

NEC

184 T...212 3410...1277 870...230
 320 T...313 4410...1988 1400...325
 321 T...435 4410...2088 1450...325
 520+...388 6 W...177 1450N...745
 521+...488 8W...188 1800...998
 390 T...319 10 E...298 1800N...998
 391 T...399 14 EX...449 4650...1888
 590+...480 12...544 4650N...2599
 591+...630 14...619 4650N...2599
 395+...630 12...266 4650N...2599
 395 C...1039 C 7400 N 3838

SUPER VALUE

IBM Network Printer 17

• True-true edge-smoothing
 • Image technology
 • Up to 17 PPM
 • Postscript
 • Level 2 Emulation
 • Interface: Parallel, Ethernet
 • 4MB RAM up to 76MB
 • 2x 250 Sheet Capacity
 • 1 Year Warranty
 • Optional: Large Sheet Feed Unit

\$1388

MEMORY 8MB...\$88 / 16MB...\$149

FAST - SYSTEM LASER

HP HEWLETT PACKARD

LaserJet 8000

• 24 Pages Per Minute
 • 1200DPI • 4MB RAM
 • Up to 11x17
 • 100MHz Risc Processor
 • 1100 Sheet Capacity
 • Factory Serviced
 • Optional:
 • Large Capacity Sheet Feed Unit, PostScript L2
 • 1 Year Warranty

\$1888

LaserJet 8000 N \$2188 • LaserJet 8000 DN \$2488

CARTRIDGES BULK SPECIAL: 4 for \$599
MEMORY 16MB...\$149 / 32MB \$249
ENVELOPE FEEDER \$488 DUPLEX OPTION \$588

FAST & EXPANDABLE NETWORK PRINTER

HP HEWLETT PACKARD

LaserJet 4050

• Up to 1200DPI
 • Up to 17 PPM
 • Postscript Level 2 Emulation
 • Interface: Parallel, Ethernet
 • 8MB RAM up to 76MB
 • 2x 250 Sheet Capacity
 • Factory Serviced
 • 1 Year Warranty
 • Optional: Large Sheet Feed Unit

\$988

LaserJet 4050 N \$1399
LaserJet 4050 T \$1199
LaserJet 4050 TN \$1588

CARTRIDGES BULK SPECIAL: 4 for \$399
MEMORY 8MB...\$88, 16MB...\$149, 32MB...\$249
ENVELOPE FEEDER \$299 • DUPLEX OPTION \$309

WORKGROUP LASER

LEXMARK

OPTRA T 612

• Up to 1200DPI
 • Up to 20 PPM
 • 8MB RAM up to 264MB
 • Postscript Level 2 Emulation
 • Interface: Parallel, Ethernet
 • 600 Sheet Capacity Standard
 • Up to 3600 Sheet Capacity
 • Factory Renewed 1 Year Warranty
 • Optional: Large Sheet Feed Unit

\$999

T 614...\$1188
CARTRIDGES BULK SPECIAL 3 for \$447

LEXMARK Optra

Z 12...55 E 312...369 7614 N...1999
 Z 22...66 M 410...999 SE 3455...1729
 Z 32...66 M 412...999 T 816...1818
 Z 42...99 T 810...844 T 816 N...2188
 Z 52...129 T 810 N...1133 W 810...2288
 2380+...288 T 812...999 W 810 N...2544
 2381+...333 T 812 N...1818 C 710 C...2288
 2390+...333 T 812...1188 C 710 N...2188
 2391...344 CALL FOR NETWORK OPTIONS

COLOR LASER

MINOLTA

MagicColor

• Super-Fast RISC Processor
 • True 600 x 600 DPI
 • Ensures Crisp, Vibrant & Razor Sharp Colors
 • Factory Renewed
 • 32 MB Memory
 • 250 Sheet Tray
 • Up to 12 PPM in Black
 • Up to 3 PPM in Color
 • 4MB Memory Up to 68MB
 • Optional PostScript

\$988

CARTRIDGES 4 for \$229
MEMORY 16MB...\$149 / 32MB...\$249

4 COLOR LASERJET

HP HEWLETT PACKARD

LaserJet 4500

• 16 Page per minute Color
 • 4 Page per minute Black
 • 600x600 DPI
 • Factory Renewed
 • 32 MB Memory
 • Postscript Handles Glossy Paper, Transparencies, Labels, Etc.

\$1666

LaserJet 4500 N...\$1988

CARTRIDGES BULK SPECIAL: 4 for \$599
MEMORY 16MB...\$149 / 32MB...\$249

WORK-GROUP COLOR LASER

LEXMARK

OPTRA C710

HIGH QUALITY, EASY TO USE
 • 1200 x 1200 DPI
 • 32MB standard up to 348MB
 • Up to 16 PPM (Black)
 • 3 PPM (color)
 • 250 Sheet Drawer
 • Cost effective
 • Color duplex unit option
 • Single element high yield print cartridge

\$1888

FAST COLOR LASER

Panasonic

KX-P 8475

• 14 PPM Monochrome
 • Up to 1200DPI
 • Postscript Level 2
 • Prints on Card Stock, Envelopes, Labels, Transparencies...
 • Multiple Cassettes and Network Options
 • 8MB up to 72MB

\$1888

MEMORY 16MB...\$149 32MB...\$249

FAX & MULTIFUNCTION

brother

770...111 B 640...118
 1270...129 C 530...144
 P 2500...369 C 755...177
 2750...344 C 560...269
 4800...328 L 8000...377
 4750...425 1100...749
 7150...318 2060...1088
 7160...388 4500...988
 7750...588 8000...1888
 7750...749 9000...1988
 9750...986 3170...CALL
 7300 C...277 3170...CALL
 7400 C...339 3175...CALL
 8300...666 1900 L...777
 8700...688 1900 L...1088
 9200...444 2900 L...CALL
 9600...544 3800 L...1788
 9600...544 5000 L...CALL

SHARP

FX 1400...125
 FX 2800...399
 FX 3500...988
 FX 4500...777
 FX 4700...848
 FX 5500...CALL
 FX 5700...CALL
 FX 5800...CALL
 FX 6600...CALL

OKIDATA

OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888

EPSON

S 2500...244

XEROX

470 CX...239

SPECIAL

Canon BJC 85

PORTABLE COLOR

• 720x360 DPI
 • 4.6 PPM Color
 • 1.9 PPM Black
 • Factory renewed
 • 1 year warranty
 • Optional Scanner Upgrade...\$99

TONER \$39 3 for \$98
Portable Kit \$107
Scanner Interface \$104

\$198

COMMERCIAL GRADE FORMS PRINTER

LEXMARK

2380 PLUS

• 320 CPU • 11KB Buffer
 • Virtual Straight Paper Path
 • Renewed • Auto Load Assist

\$288

2381 Same as above Wide Carriage...\$335
 2390 Same as 2380 24 Pin...\$377
 2391 Same as 2381 24 Pin...\$375

SUPER HEAVY DUTY

EPSON

DFX 5000+

• Up to 533CPS
 • 9 Pin
 • FORMS PRINTER
 • OPTIONAL Serial Interface & Printer Stand

\$848

\$1288

TANK-TOUGH® RELIABILITY

OKIDATA

Microline® 320 Turbo

• 9-pin dot matrix
 • Point-of-sale, automation and utility applications
 • Handles paper stock twice as thick as the competition
 • Eliminates wasted forms

\$311

390 Similar above 24 Pin...\$329
 391 Similar Wide Carriage...\$399
 395 Heavy Duty Wide Carriage...\$688
BLACK RIBBON \$11.88 12 FOR...\$118.18

COPIERS

SHARP

AR 151...CALL
 AR 155...CALL
 AR 840...444
 AR 1000...399
 AR 1010...675
 AR 1041...688
 AR 1200...844
 AR 1250...988
 AR 150...944

HEWLETT PACKARD

CP 585...888
 CP 585...888
 CP 585...888
 CP 585...888
 CP 585...888
 CP 585...888
 CP 585...888
 CP 585...888
 CP 585...888
 CP 585...888

OKIDATA

OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888

EPSON

S 2500...244

XEROX

470 CX...239

FAX-PRINTER-COPIER-SCANNER

HP HEWLETT PACKARD

OfficeJet T45 Xi

• Copy 9CP B&W
 • 6.5 CPM Color
 • Prints 600DPI B&W
 • 300DPI Color
 • 50-200% Reduction/Enlargement
 • 100 Sheet Tray
 • Factory Renewed
 • 1 Year Warranty
 • 30 page Auto Document

ALL IN ONE

\$239

OfficeJet T65 Xi...\$388
BLACK INK...2 FOR \$49 COLOR INK...\$59

LASER MULTIFUNCTION

HP HEWLETT PACKARD

OfficeJet 3100Xi

• 6 Page Per Minute
 • 600 x 600 DPI
 • 100 Sheet Tray
 • Factory Renewed
 • 2 MB Memory - up to 4MB
 • 1 Year Warranty
 • All in one Toner

ALL IN ONE

\$377

OfficeJet 3150Xi \$488

CARTRIDGES BULK SPECIAL: 4 for \$399
MEMORY 8MB...\$88 16MB...\$149

COLOR PRINTER-COPIER-SCANNER

HP HEWLETT PACKARD

OfficeJet PRO R 40 Xi

• Copy 9CP B&W
 • 5 CPM Color
 • Prints 600DPI B&W
 • 300DPI Color
 • 50-400% Reduction/Enlargement
 • 150 Sheet Tray
 • Factory Renewed
 • 1 Year Warranty
 • 30 page Auto Document

ALL IN ONE

\$277

BLACK INK...2 FOR \$49 COLOR INK...\$59

PRICE DROP

HP HEWLETT PACKARD

COLOR 4 IN 1 OfficeJet 600

P.P. FAX:
 • 1MB Memory
 • Tel/Ans. Machine Interface
 • PERSONAL COPIER:
 • 1.5 Copies per Minute
 • Up to 99 Copies
 • Auto Doc. Feed
 • Factory renewed
SCANNER: • 5 PPM • 600 DPI
 • up to 1200 DPI
 • OCR Software

ALL IN ONE

\$177

OFFICEJET 700 199 710 ... 249
BLACK INK...2 FOR \$49 COLOR INK...\$59

COPIERS

SHARP

AR 151...CALL
 AR 155...CALL
 AR 840...444
 AR 1000...399
 AR 1010...675
 AR 1041...688
 AR 1200...844
 AR 1250...988
 AR 150...944

HEWLETT PACKARD

CP 585...888
 CP 585...888
 CP 585...888
 CP 585...888
 CP 585...888
 CP 585...888
 CP 585...888
 CP 585...888
 CP 585...888
 CP 585...888

OKIDATA

OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888
 OK 5500...888

EPSON

S 2500...244

XEROX

470 CX...239

FAX-PRINTER-COPIER-SCANNER

HP HEWLETT PACKARD

OfficeJet T45 Xi

• Copy 9CP B&W
 • 6.5 CPM Color
 • Prints 600DPI B&W
 • 300DPI Color
 • 50-200% Reduction/Enlargement
 • 100 Sheet Tray
 • Factory Renewed
 • 1 Year Warranty
 • 30 page Auto Document

ALL IN ONE

\$239

OfficeJet T65 Xi...\$388
BLACK INK...2 FOR \$49 COLOR INK...\$59

LASER MULTIFUNCTION

HP HEWLETT PACKARD

OfficeJet 3100Xi

• 6 Page Per Minute
 • 600 x 600 DPI
 • 100 Sheet Tray
 • Factory Renewed
 • 2 MB Memory - up to 4MB
 • 1 Year Warranty
 • All in one Toner

ALL IN ONE

\$377

OfficeJet 3150Xi \$488

CARTRIDGES BULK SPECIAL: 4 for \$399
MEMORY 8MB...\$88 16MB...\$149

COLOR PRINTER-COPIER-SCANNER

HP HEWLETT PACKARD

OfficeJet PRO R 40 Xi

• Copy 9CP B&W
 • 5 CPM Color
 • Prints 600DPI B&W
 • 300DPI Color
 • 50-400% Reduction/Enlargement
 • 150 Sheet Tray
 • Factory Renewed
 • 1 Year Warranty
 • 30 page Auto Document

ALL IN ONE

\$277

BLACK INK...2 FOR \$49 COLOR INK...\$59

PRICE DROP

HP HEWLETT PACKARD

COLOR 4 IN 1 OfficeJet 600

P.P. FAX:
 • 1MB Memory
 • Tel/Ans. Machine Interface
 • PERSONAL COPIER:
 • 1.5 Copies per Minute
 • Up to 99 Copies
 • Auto Doc. Feed
 • Factory renewed
SCANNER: • 5 PPM • 600 DPI
 • up to 1200 DPI
 • OCR Software

ALL IN ONE

\$177

OFFICEJET 700 199 710 ... 249
BLACK INK...2 FOR \$49 COLOR INK...\$59

COMPUTER SHOPPERTM

SPOTLIGHT

Hardware

Bar Coding/Point of Sale 188 - 190

Mass Storage Devices 191

Multi Media 191

Peripherals 191

Presentation Products 191

Software

General 190

I n d e x

ZDNET

28 East 28th Street New York NY 10016

800.999.SHOP

**SHOP, COMPARE AND BUY
FROM A WIDE SELECTION OF
PRODUCTS AND VENDORS.**

Search a database of thousands of products by company, product and/or key words. Continually updated prices, products and special offers. Reviews from Ziff-Davis publications help you shop smart. Bookmark <http://www.computershopper.com> for the complete buying experience.

Anthony Danzi 212-503-3890
Account Executive
DE, DC, MA, MD, ME, NH, NJ, NY,
RI, VA, VT, WV, Canada

Julio Loreda 415-701-2839
Account Executive
CA, 90000 - 91999, 93000-93599

Alan Rosenfeld 212-503-3764
Account Executive
AK, AL, CT, FL, GA, IL, KY, LA, MI, MN, MO,
MS, NC, NM, OH, PA, SC, TN, WI

Jane G. Day 212-503-3841
Account Executive
CA, 92000 - 92999, AZ, CO, IA, KS, ND,
NM, OK, SD, TX

Julio Loreda 415-701-2839
Account Executive
CA, 93600+ ID, NV,
OR, MT, UT, WA, WV

Katie Burke 212-503-5079
Territory Management Specialist

Emanuel Rios 212-503-3838
Territory Management Specialist

POINT OF SALE AND BARCODING SHOP ONLINE @ WWW.NUROL.COM

Bundles Include Software and Hardware Shown

RETAIL SOLUTION BUNDLE

- The Retail Solution Software
- Customizable Reporting
- Customer Tracking
- Interface with Quickbooks
- Barcode Label Printing
- AR/AP/CL/PO/WO
- Full Inventory
- Point of Sale
- Time Clock

\$899.00

QUICKSELL QUICKSELL 2000 BUNDLE

- QuickSell 2000 Point of Sale Software
- Interface with Quickbooks, Peachtree & MYOB
- Customizable Reporting
- Full Inventory
- Color Size Matrix
- Barcode Label Printing
- Accounts Receivable
- Customer Tracking
- Purchase Orders
- Time Clock

\$1299.00

BOTH SOFTWARE PACKAGES ARE NOW ECOMMERCE CAPABLE!

BARCODE SCANNERS & CREDIT CARD READERS

CCD Scanner 3.25" read width, KB\$149.00
Metrologic MS951-47 w/stand\$219.00
Metrologic MS6720 Omni-directional\$399.00
Symbol LS1006 Trig. Laser Scanner\$269.00
Symbol LS4006 Trig. Laser Scanner H.Perf.\$455.00
PSC 6000 Quickscan Laser Scanner\$399.00
Barcode Slot Reader\$159.00
Track 1&2 Credit Card Reader\$99.00

RECEIPT PRINTERS

Star SP212 - Gen. Purpose - Entry Level \$199.00
Star SP312 - Hvy Duty - take-up Avail.\$369.00
Samsung SRP-350 Thermal w/cutter\$325.00
Epson TM-U200 Series.....Starting at: \$229.00
Epson TM-T881L - Thermal - w/pwr supply \$399.00
Citizen IDP-3535\$219.00
Ithaca 150 SeriesStarting at: \$405.00
Cash Drawer/Receipt Printer Combo \$299.00
Receipt Printer Paper and SuppliesCHEAP!

CASH DRAWERS

ND CF405 All Steel Epson/Star Attach\$129.00
ND CF405 All Steel Serial Attach\$169.00
ND CF405 All Steel Parallel Attach\$209.00
Indiana SLD2120 - Hvy Duty w/cable\$199.00
Indiana SLD2120 - w/Shoe - w/cable\$279.00
MMF 200 Series\$156.00
MMF 200 w/Platform\$275.00

CALL FOR A
FREE SOFTWARE
DEMO CD

PORTABLE DATA COLLECTORS

IBS 800\$399.00
Symbol SPT-1500 w/Lsr & Sw. \$679.00
Percon Top Gun w/Laser\$1079.00

BARCODE PRINTERS

Eltron LP2742 - Direct/Thermal\$435.00
Axiomh Cognitive SOLUS II (DT)\$329.00
Axiomh Cognitive Blaster (DT)\$399.00
Zebra Stripe 400 (DT/TT)\$539.00

POS MONITORS AND CUSTOMER DISPLAYS

Customer Pole Display - 2 x 20\$159.00
14" Microtouch Touchscreen Monitor\$499.00
12.1" LCD Touch Display\$1149.00

SOFTWARE

The Retail Solution 32-Bit Win POS\$450.00
QuickSell 2000 Windows POS\$799.00
QuickPOS Restaurant/Fast Food\$895.00
Barcode Design / Printing\$69.00
ICVerify Credit Card Software\$339.00
Inventory Tracking/Barcoding Software\$699.00

Barcode Scanners Touch Systems
Data Collectors

Huge Selection & Best Pricing
800.390.6623
NuRol DIRECT
Phone: 404.352.3587
Fax: 404.352.3589
Web: www.nurol.com
Email: nurol@nurol.com

POS DIRECT.NETTM
Your One Stop source for All your P.O.S. Needs

Barcode Scanners:
Unitronics MS-283 CCD Handheld Scanner.....\$149.00
Metrologic MS-951 Laser Scanner w/Stand.....\$236.00
Metrologic MS-6720 Laser Omnidirectional.....\$418.00
Metrologic MS-6130 Cordless Laser.....\$729.00
Symbol LS-1006 Laser Scanner - Triggered.....\$255.00
Symbol LS-4006 Laser Scanner - Triggered.....\$425.00

Receipt Printers:
Epson TM-U2000 Receipt Printer Dot Matrix.....\$229.00
Epson TM-T881 Thermal Receipt Printer.....\$399.00
Star SP-212 Economy Receipt Printer.....\$205.00
Star TSP-242 Thermal Receipt Printer.....\$419.00

Software:
QuickSell2000™ Windows POS Single User.....\$799.00
The Liquor Store Controller-Single User.....\$149.00
MicroSale Restaurant Software Single User.....\$949.00
ICVerify Credit Card Authorization - Single User.....\$329.00
Label Matrix - Label Design Soft. Single User.....\$399.00

Portable Data Collectors:
IBS-900 Portable Data Collector.....\$395.00
Percon PT2000 Portable Data Collector 128K.....\$529.00
Percon Top Gun w/Laser. Scanner Module.....\$999.00
Percon Falcon 320 Data Terminal w/Laser.....\$1549.00

We now offer the All-in-one IBM SureOne™
THE IBM 4614 SUREONE POINT-OF-SALE TERMINAL IS A POWERFUL, INTEGRATED AND CONVENIENT ENTRY-LEVEL POINT-OF-SALE SOLUTION FOR RETAILERS.
SUREONE-A03, 266MHz, COLOR, 4.2GB, 32MB, IMPACT.....\$2,695.00
SUREONE-A03, 266MHz, COLOR, 4.2GB, 32MB, THERMAL.....\$2,795.00
Barcode/Label Printers:
Axiomh Cognitive Solutions Solus II DT 4".....\$375.00
Axiomh Cognitive Solutions Blaster Advantage DT 2.4".....\$289.00
Eltron LP-2742 4" Direct Thermal Desktop Printer.....\$410.00
Cash Drawers
Indiana SLD-2120 Printer Driven Cash Drawer.....\$174.00
Indiana SLD-2120 Printer Driven Cash Drawer w/PSHoe.....\$264.00
MMF POS-Platform System Drawer.....\$264.00

BE SURE TO ASK YOUR SALES REP. ABOUT OUR EQUIPMENT LEASING AND NET TERMS OPTIONS. GOV PURCHASE ORDERS
Visit Our Online Store
WWW.POSDIRECT.NET
Tel: 770-454-8711 Fax: 678-332-0084
E-mail: sales@posdirect.net
Hablamos Español

**SHOP AROUND WITH THE BIG GUYS...
...THEN COME BACK FOR THE LOWEST PRICES.**
THE IBM LOGO IS A REGISTERED TRADEMARK AND THE IBM BUSINESS PARTNER EMBLEM IS A TRADEMARK OF INTERNATIONAL BUSINESS MACHINES CORPORATION AND ARE USED TOGETHER UNDER LICENSE

RESTAURANT POS **POINT OF SALE**
Order Online @ www.nurol.com

Restaurant Bundle Includes:
QuickPOS Restaurant Software
Receipt Printer
Electronic Cash Drawer
Touch Screen Monitor

\$1759

- Fine Dining
- Fast Food
- Take-Out
- Drive Thru
- Caller ID
- Time Clock
- Food Costing

CALL FOR A FREE DEMO CD

Complete POS Bundle
The Retail Solution
SOFTWARE IS ECOMMERCE CAPABLE!

\$1949

Bundle Includes:

- The Retail Solution POS Software
- Electronic Cash Drawer with Shoe
- Receipt Printer
- CCD Barcode Scanner
- Booksized PC

(FREE System Configuration)

Upgrade Options:
From CCD to Laser Scanner\$100.00
Axiomh SOLUS II Label Printer\$329.00
Customer Pole Display\$159.00

Huge Selection & Best Pricing
800.390.6623
NuRol DIRECT
Phone: 404.352.3587
Fax: 404.352.3589
Email: nurol@nurol.com

CATCH US ON THE WEB!

Order online with our
NEW e-commerce system!



Features:

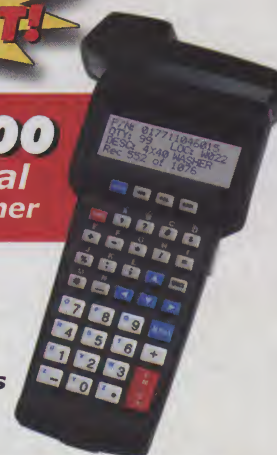
- Full Product Specifications online
- Download Software Demos
- Search Engine allows quick navigation
- Menu bar and full-color images
- Login allows quick and easy buying
- Secure ordering system
- Available 24-hours a day, 7 days a week
- Bar Code 101 Tutorial available online

BAR CODE SOLUTIONS

NEW PRODUCT!

NEW Model 5500 Portable Data Terminal with Integrated Laser Scanner

- Integrated Laser enables one-handed portable scanning
- Extremely high first-read rates
- Supports multiple program files
- Online specification sheet



AMERICAN

MICROSYSTEMS, LTD.

2190 Regal Parkway Euless, Texas 76040
phone 817-571-9015 fax 817-685-6232

**Toll Free
1-877-842-3985**

www.barcode-csm.com

**30 Day Money Back
Guarantee**

Lifetime Technical Support — 30 Day Money Back Guarantee — Dealer Inquiries Welcome

point of sale

"The **COMPLETE** Solution"

software

POWER POS & accounting -
credit card verification - mail order
barcode - rentals - repair orders

hardware

barcode scanners & printers
pole displays - receipt printers
cash drawers - PDT's

data entry

training

support

service

supplies

From

\$1500

or

\$75

per month
(wac)

POS International, Inc.

FREE
Download

1-800-838-4460

www.pointofsale.cc

Big Deal
Windows 2000
Professional
\$138

BIG
CLEARANCE.COM

Super Big Deal
ACT! 2000
\$45

Current Software. Clearance Prices.

Buyers, Sellers & Dealers Welcome

Acrobat V4.0	from \$214	NT Server V4.0	from \$399
FrameMaker V6.0	from \$599	Office 2000 Pro	from \$242
Illustrator V9	from \$229	Office 2000 SBE	from \$179
PageMaker V6.5.2 Plus	from \$227	Project 2000	from \$303
Photoshop V6.0	from \$545	Visual Studio Enterprise	from \$725
Borland J/C++/Delphi	from \$199	Visual Studio Pro	from \$425
WordPerfect Office 2000/2002	from \$49	Visual Basic/C++	from \$209
Intuit Quicken Deluxe 2001	from \$25	BackOffice 4.5/2000	from \$999
Intuit Quicken Suite 2001	from \$29	BackOffice SBS 4.5/2000	from \$799
CorelDRAW V9.0/V10.0	from \$169	Visio Std/Pro/Tech	from \$80
Lotus SmartSuite V9.5/V9.6	from \$49	SQL Server 2000	from \$1150
Windows 2000 Pro	from \$138	Exchange Server 2000	from \$999
Windows NT Workstation 4.0	from \$69	SystemWorks 2000/2001	from \$22
Windows 98 2nd Edition	from \$67	Norton Anti-Virus 2000/2001	from \$18
Windows Me	from \$47	ACT! 2000	from \$45
Windows 2000 Server	from \$405	pcAnywhere 9.0/9.2	from \$49
Windows 2000 Adv.Server	from \$1545	WinFax Pro V10.0	from \$58

And that's not all! Call now or visit our website for current pricing on our full-line of products.

FREE SHIPPING!
www.bigclearance.com **888-828-3636**

The General Store™

The Point Of Sale Software You Can Depend On!

- ▶ True 32 Bit Point Of Sale!
- ▶ For Windows 95/98/NT/2000
- ▶ Open Data Structure
- ▶ Perfect For Any Retail Store!

▶ Feature Packed And Affordable!

- | | | |
|-----------------------|---------------------------|-------------------------------|
| • Point Of Sale | • Split Sales Commissions | • Unlimited Customer History |
| • Order Entry | • Spiffs | • Unlimited Sales History |
| • Special Order | • Quote To Sale | • Unlimited Financial History |
| • Sale On Hold | • Enhanced Security | • ODBC Compliant |
| • Inventory Control | • Clothing Matrix | • Supports Most POS Hardware |
| • Accounts Payable | • Serial # Tracking | • Network Ready |
| • Accounts Receivable | • Parts Explosion | • Multi Store Ready |
| • General Ledger | • Complete Lay Away | • ..AND MUCH MORE! |

▶ Your One Stop Shop For...

**Solution
Provider**

- | | | |
|---------------------|---------------------|-----------------------------|
| • Software | • Receipt Printers | • Turn-Key Systems |
| • Bar-Code Scanners | • Cash Drawers | • Training and Installation |
| • Bar-Code Printers | • Customer Displays | • Computers |
| • Data Collectors | • Electronic Scales | • Point Of Sale Terminals |



Call Today For A Free Demo!

1-800-678-4535

www.thegeneralstore.com

Phone: 863-616-1222 • Fax: 863-616-1223 • BBS: 863-616-1224

Computer Shopper
readers have
immediate
buying plans:

49%

plan to buy
within 1 Month!

**COMPUTER
SHOPPER**

www.computershopper.com

Call your Account Representative today!

1-800-999-SHOP

Load Windows 2000 to 15 drives in less than one minute

LogicubeIdeal for VARs & system integrators,
onsite support personnel, and forensic
investigative applications.**Modular Design**OmniClone™ 2
1 to 2 HD **\$1995**OmniClone™ 5
1 to 5 HD **\$3650**OmniClone™ 10
10 drives at once **\$6250***
*docking station not includedOmniClone™ 15
15 drives at once **\$8995***
*docking station not included

- Clone over 950MB/minute
- Master drive can hold up to 24 partitions
- Selective partitions- select one, some, or all
- Advanced bad sector recovery and repair
- Scan rates approaching 2GB/min.
- OmniClone systems expand up to fifteen targets
- Any Operating Systems- scales FAT16, FAT 32 & NTFS

SOLITAIRE-

- Bi-directional data transfer-clone from target to master
- Clone both ways through parallel port connection
- includes carrying case, tool, cable & manual

made in the USA

Solitaire1 to 1
\$845**Hard Drive
Duplication
and
Diagnostic
Systems!**www.logicube.comContact Logicube Sales:
(888) 494-8832**The
Projector
Expert.****TOSHIBA****TLP-B2**Only 5.8 lbs. - True XGA (1024
x 768) Brilliant 1,000 lumens
\$6495 msrpToday's **\$3795**
Discount Price**AV Marketplace™****888-254-5346**
www.avmarketplace.com

Office hours Mon-Fri 8 am-8 pm EST

Offers subject to change without notice.

NEC proxima
Own your audience.
InFocus HITACHI
MITSUBISHI SONY
SANYO EPSON
Target www.adtech-sys.com/cs

for your presentation power tools

Epson PowerLite 50c • SVGA • 1000 Lumens • 6.8 lbs **\$2,599**InFocus LP435z • XGA • 1000 Lumens • 7.4 lbs. **\$2,795***B Stock*Panasonic PTLC50U • SVGA • 700 Lumens • 5.5 lbs. **\$2,199**Plus U3-1080 • XGA • 800 Lumens • 2.9 lbs. **\$3,995****Special Deals from – SANYO****Sanyo PLC-SU10N**

Portable powerhouse in a 8 pound package.

SVGA • 700 Lumens • 8.5 lbs. **\$2,495****Sanyo PLC-XU21N**

Outstanding brilliance and sharpness

XGA • 1200 Lumens • 9 lbs. **\$4,495****#1 Value In A Reliable, Portable XGA Projector**Sanyo PLC-XU07N • 800 Lumens • 9.4 lbs. **\$2,995****3 YEAR WARRANTY****ADTECH 800-419-0023**

Empower your presentations

Sales • Rentals • Leasing • Repairs • Installations**SPOTLIGHT**Shop computershopper.com. Go to <http://www.computershopper.com>. Thousands of products, hundreds of vendors — all in one place.

ALICE & BILL

The Hard Edge

BY ALICE HILL
AND BILL O'BRIEN

The Fastest CD-RW Drive on the Planet; Technical Ponderables; and Are Tablet Computers Back?

IT'S MAY, OR IT ALMOST IS. IN "HARD EDGE" TIME, HOWEVER, ALICE IS gallivanting around France to avoid Northern California's rolling blackouts. Bill is sitting in the Basement of Doom and Pepsi-Cola under 18 inches of snow, as a Coleman double-mantle lantern casts a pall over everything beyond its reach. Sunlight pokes through the moss-covered oaken shutters that allow critters and flung CDs to exit the lab. While water drips onto the concrete floor with an audible plunk, Bill ponders

whether French toast is worth the airfare.

What Alice didn't tell Bill was that she fled to France not because of a great fare, or even the promise of reliable electricity. She fled because she was becoming seriously interested in tablet computing again.

More than 10 years ago, it took Bill and a team of ZD technicians to pry the failed Momenta tablet from Alice's hands. It wasn't that Alice loved the product per se. She just saw, for one moment, the power of a tablet form factor and the benefit of being able to compute anywhere. Further seduced by AT&T's TV commercials featuring someone lounging on the beach with an eye-catching handheld, Alice took up the challenge and went in search of the ultimate tablet.

Even 10 years isn't enough time for Alice to be able to speak publicly about what she went through. Windows for Pen Computing, hauling a backbreaking brick-like device from Slate Computing, and other episodes make the quest unspeakable even today. But over time, even Bill can admit tablet-style devices have been cropping up and succeeding. (*Yeah, I hear they were big with Moses. —Bill*)

When Alice saw shoppers in her San Francisco grocery store using their Palm Vs to check their shopping lists, she knew the tablet was coming back. Within weeks, Microsoft announced a new tablet in the works, and Sony unveiled a prototype at CES that wirelessly connects to the Net via broadband and lets you watch DVDs.

Alice even found a small startup called

Aqcess Technologies that's already selling tablet computers called QBes (www.qbenet.com/products.htm). In addition to the usual wireless Internet and e-mail, QBes (pronounced "cubes") have built-in Webcams for conference calling from your easy chair, and double as desktops when docked and connected to a mouse and keyboard.



Still, problems in this category have yet to be solved. The QBE, for example, is way too expensive (close to \$3,000 for the tablet alone) and as thick as a laptop. Tablets should be ultralight and ultrasleek if they're to compete with laptops for ease of use. Three cheers to Aqcess though, for coining the term "Family Area Network," which is what these wireless

home networks are. Move over WAN and LAN, here comes the FAN.

With Alice long gone again, Bill suggests a moment of silence. Perhaps this round of tablet computing will succeed and Alice will survive to face another new trend. In the meantime, stay tuned for regular updates on tablet computers. They're baaack!

WHY ASK WHY?

This is quickly shaping up to be the year of ceaseless questioning. Who really won the election? Will tech stocks recover? Will there be a recession? Never ones to stand idly by in the face of a trend, Alice and Bill decided to serve up a few of their own technology ponderables.

Why is a little Florida company called Xbox Technologies holding Microsoft's Xbox gaming console hostage in a trademark-naming dispute when Sony was able to call its PlayStation2 the PS2? Doesn't IBM PS/2 ring a bell?

Why is it that as soon as AT&T WorldNet starts advertising itself as the fastest ISP in the universe with the fewest disconnects, Bill can't get a connection speed faster than 28kbps and finds himself tossed offline if he's idle for more than 10 minutes?

Why is it that Intel keeps reducing the speed of its Pentium 4, when a cheaper Athlon can still rub its nose in the dirt? Intel started with a 1.5GHz version, then supplied 1.4GHz and 1.3GHz iterations. Is it that difficult to see this is going in the wrong direction? (And are the Blue Men viable successors to the Bunny People?)

Why did nVidia (www.nvidia.com) buy 3dfx (www.3dfx.com, for now)? The once-proud company fell victim to the toss of the graphics dice (by the hand of nVidia). It really had nothing to offer nVidia, whose GeForce overpowered its Voodoo. Was it just so another competitor wouldn't buy it up? (Bill remembers an old cartoon showing fish being progressively eaten by their larger cousins. Seems to fit.)

Why is Silicon Graphics (www.sgi.com) charging \$450 for an adapter that allows its 17.3-inch 1600SW LCD panel to work with graphics cards other than the less-than-standard Number Nine card it was provided with? Sure, the MultiLink adapter enables

ALICE & BILL

the 1600SW to accept both VGA analog and DVI or DFP digital signals. And there's a built-in scaling capability that ensures even lower-resolution images scale to maximize the SuperWide display on the Silicon Graphics 1600SW. It's even compatible with Bill's Matrox G400-TV graphics card. But \$450? Adding insult to injury, there's a six-week wait to get one.

Why is it that no sooner than Bill gets his phenomenal Klipsch (www.klipsch.com) v2-400 speaker system, Klipsch releases the v2.1s? Better separation and midrange response are supposedly the differences. But Bill figures he'd never notice, thanks to the hearing loss he's suffered listening to the whirring of loud hard drives and computer fans for all these years.

Why did Alan Greenspan suddenly reduce interest rates a few months ago? That's easy. He knew the lease was up on Bill's '98 Corvette Pace Car and that Bill wanted to buy it. Mr. Greenspan, reportedly a longtime "Hard Edge" reader, and the second most powerful man in the United States, was just being a pal. Thanks, Al. You're down for a ride anytime you're in town.

IT SLICES, IT DICES

Alice and Bill have long admired the American spirit of invention. And although "The Hard Edge" has faithfully chronicled the birth of the Web browser, the move to gigahertz processing, and the ups and downs of 3D graphics, longtime "Hard Edge" readers know Alice and Bill also have a weakness for the wackier products that show up on late-night television. In fact, one of their favorite pastimes is finding technical uses for these products, blending the highest of the high-tech with the lowest of the low-tech. The results have produced some of the most popular moments in "Hard Edge" history.

For example, when the move toward energy-efficient computing became an out-of-control marketing fad, Alice and Bill suggested The Clapper as a more economical way to power down your monitor and desk lamp at the same time. When Intel began moving users from the 486 to the Pentium via a processor upgrade socket rarely used by consumers, Alice and Bill suggested spreading Chia seeds into the socket holes and growing a Chia Pet Upgrade Processor instead.

Today, Alice is happy to see the Internet itself has joined forces with the Ginsu knife, the Flowbee haircutting system and

yes, even the Pocket Fisherman, to bring you these low-tech classics on the Web at www.seenontv.com.

Alice and Bill are already busy combing the site for tomorrow's technical treasures. In the meantime, if you spot a product that will cut hair and brown bacon without electricity, and can think of a new high-tech use for it, please drop Alice and Bill a line. They'll feature your idea in an upcoming "Hard Edge."

MONDO COOL

Yamaha (yes, the guitar and motorcycle people) have held top honors for the fastest CD-RW drive for quite some time.

Recently, it introduced a newer and (you

Bill ripped a 73:38 CD with the Pacific Digital 161040ei in 2:46, and that's less than 3 minutes by a chunk.

guessed it) faster version called the LightSpeed CRW 2100EZ. Bill had a chance to fondle one a few months ago and wrote it up for some obscure PC magazine. It was an impressive drive at the time, but Yamaha was just getting its software bundle together and making things work, so Bill had to track spare software across the Web.

Time passed. Then Bill got a call from Tony Tate. Longtime readers will remember Tony as a maker of high-speed IDE interface cards who could be somewhat argumentative and outspoken, especially when Bill gave Mondo Cool awards to Promise Technology and not Tony's company. Tony's now part of another company, Pacific Digital (www.1pdc.com). The company has a new CD-RW drive called the Pacific Digital 161040ei. Well, golly, it's the Yamaha drive with all of the appropriate software neatly packaged in the box and selling for \$10 less than Yamaha's suggested street price.

This is a 16x/10x/40x drive, and for those of you still scratching your heads over CD-RW numbering parlance, this means it writes at 16x, rewrites at 10x, and reads at 40x. (From the Department of Obscure Factoids: "x" is the original 150K-per-second speed of 1x CD-ROM drives, so "40x" is really 40 times 150, or 6,000K per second.)

Bill loves liner notes, considering them a near-constant source of amusement. In this case, however, there was nothing to laugh at. The liner notes said, "Rip a 74-minute

CD in less than 3 minutes!" You may not believe this if you've ever slaved over CD rips, but it's true. Bill ripped a 73:38 CD (he made it himself) in 2:46, and that's less than 3 minutes by a chunk. Up to that point he'd been tooling along with what he thought was a fast 4x/4x/24x Toshiba SD-R1002 combo drive. It needed 8:05 to do the same thing. To be fair, Bill used the same software for each drive.

So how about writing, you ask? The Pacific/Yamaha drive wrote an audio CD in 7:09—about a third of the time it took the Toshiba. When it came to just transferring data (hey, you can use these things for backup, too), 635MB went from hard drive to Pacific drive in just under 5 minutes, while the now seemingly out-of-breath Toshiba needed almost 17.5 minutes. If you could save 12 minutes a day for a week, when you were done

you'd finally be able to take a lunch hour and visit the bathroom.

At \$289, the Pacific Digital 161040ei isn't cheap. Not much that's good really is. (Sometimes Bill is, but usually that's just called being trashy.) But compared to those graphics cards you've been drooling over, with their artificially inflated, sky-high prices, it's a darn bargain—especially when you factor in the time savings.

Bill expects to hear from Tony Tate again when this column hits the stands and the Web. He'll probably complain about the "isn't cheap" line and suggest a whole slew of drives that cost more. They're not cheap either. But this one's pretty good.

HAPPY 100TH (AND THEN SOME), A&B

If you didn't wish Alice and Bill a happy 100th "Hard Edge" by sending them an e-mail or even a card, shame on you! Luckily, it's not too late to start things off fresh by sending them a fine rant or comment of a technical nature. Alice has been pleased by all the mail she's been getting now that she controls the e-mail address, so please keep the kind words and comments coming.

"The Hard Edge"

Computer Shopper

28 E. 28th St., 10th Fl.

New York, NY 10016-7922

hardedge@zdnnet.com

For more tech tips, go to our Help Hub at

computershopper.zdnet.com/help

SECTION CONTINUES ON PAGE 202

Computer Shopper • MAY 2001

193

Ultimate

Office Computing Choice



Easy, Fast, Reliable

When it comes to server, you don't count on luck. Caliber High Availability Servers are powered by Intel® Real Server Technology with ultimate care on availability, reliability, stability and manageability. All Caliber servers comes with 3 years Limited Warranty, around clock toll free telephone technical support.

Success Story

Taking an idea for an online company from the back room to the forefront of category is no easy feat. But that's exactly what Band9 did. Time to market, scalability, and cost-efficiency were key considerations when Band9, an E-tailer based in Vancouver, Washington went to work spending over \$16 million in venture capital. Caliber Voyager servers with Intel Architecture played a central role in meeting the company's goals. By investing in six Intel® Pentium® III Xeon™ quad processor-based servers from Caliber, the company instantly acquired the power and scalability it needed in anticipation of its explosive growth. And because these powerful servers cost less than Unix-based boxes, Band9 could afford to launch a marketing campaign to build brand awareness for the new company.



CALIBER GOLD SERVICE

- Three Year Limited Warranty
- Lifetime Tech-support
- Full Path Upgrade Support
- On-site Support (Optional)

Buy now Voyager Systems and enroll yourself to be CPC (Caliber Privilege Customer). You may enjoy lots of privilege package.

Code: CS0401

Call now 1-510-353-1220 or email to sales@calibercorp.com

VOYAGER

Server ISP4400

\$5,299.00

System Specification

- Intel® Pentium® III Xeon™ Processor 1GHz
Quad processor capable
- 4U rack-mount chassis
- 128MB ECC SDRAM Memory (Max 16GB)
- 30GB EIDE hard disk drive
- Supports 2x1.6" and 2x1" or 4x1" 3.5" SCA hot swap drives
- Integrated two Ultra160 SCSI,
one Ultra Narrow Channel/Ultra Wide channel
- Integrated Intel® Pro/100+ Fast Ethernet Controller
- Integrated graphics with 2MB SGRAM
- 1.44MB floppy drive with optional slimline CD ROM Drive
- Hot-swap HD bay supports five 1" (or three 1.6") HD
- Three (2+1 redundant) 350-watt hot swap power supply
- Six (5+1 redundant) electronics bay fans
- Intel® Server Control Software and Management hardware
- Supports most popular OS

Voyager Server ISP4400



VOYAGER

Power Server SC400

\$6,499.00

System Specification

- Intel® Pentium® III Xeon™ Processor 1GHz
Supports up to four Intel® Pentium® III Xeon™ processors
- 256MB EDO ECC DRAM Memory (Max 16GB)
- 2x18GB SCSI HD
- Two hot-swap HD bays supports ten 1" (or six 1.6") HD
- Integrated two Ultra160 SCSI,
one Ultra Narrow channel/Ultra Wide channel
- Integrated Intel® Pro/100+ Fast Ethernet Controller
- Integrated graphics with 2MB SGRAM
- Eight total available PCI slots (two 64 bit/66MHz,
four 64 bit/33MHz & two 32 bit/33MHz hot-swap)
- 1.44MB floppy drive with three 5.25" peripheral drive bays
- Three (2+1 redundant) 375-watt hot swap power supply
- Six (3+3 redundant) electronics bay fans
- Intel® Server Control Software and Management hardware
- Supports most popular OS



Voyager Power Server SC400



CALIBER Computer Corp. | 45800 Northport Loop West, Fremont, CA 94538 | **CALL 1-510-353-1220**

FAX: 1-510-354-2134 | **www.calibercorp.com** | E-mail: sales@calibercorp.com | ISO 9002 CERTIFIED MANUFACTURER

©2000 Caliber Computer Corp. Monitor not included. Prices and specifications subject to change without notice.

Intel, the Intel Inside logo and Pentium III Xeon is a trademark of Intel Corporation.

Caliber logo, Caliber Computer Corp. are registered trademarks of Caliber Computer Corp. All other trademarks are properties of their respective companies.

www.truedataproductions.com
SAVE 50% TO 70%

Call
800-635-0300
 for
 current pricing

Toshiba 8000 Pentium II-300 mhz processor

64 meg ram 6.4 Gig Drive 24x CD
 56k fax modem 13.3" Active Color

\$
699



Dell Pentium 233 processor

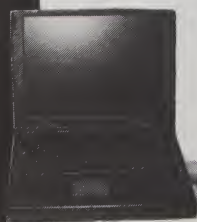
64 meg ram 4.1 gig hard drive
 24x Cd Rom 12.1" Active Color
 33.6 k fax

\$
599



Celeron 600 64/6.0 gig 12" Active 6x DVD

Compaq \$999



- Celeron 600 processor MMX
- 64 meg ram
- 6.4 gig hdd
- 12.1" Active Color
- 6x DVD 24x cd rom
- 1.44 3 1/2 Floppy,
- Sound, Touchpad, pcmcia
- Serial, Parallel, Vga ports
- battery & adapter
- refurbished
- 56k modem

Pentium II 400 64/6.0 gig 14" Active 24x

new NEC \$999



- Pentium II 400 processor
- 64 meg ram
- 6.0 gig hdd
- 14.1" Active Color
- 24x cd rom,
- 1.44 floppy
- Sound Touchpad, pcmcia
- Serial, Parallel, Vga ports
- battery & adapter
- 56 fax modem
- NEW

Pentium II 366 64/10.0 14" Active DVD

Compaq \$849



- Pentium II 366 processor MMX
- 64 meg ram
- 10.0 Gig HDD
- 14.1" Active Color
- Dvd & CD rom
- 1.44 floppy
- Sound, Accupointer & pcmcia
- Serial, Parallel, Vga ports
- battery & adapter
- refurbished
- 56k fax

Pentium 2-333 64/4.3 Gig 14" Active 24x

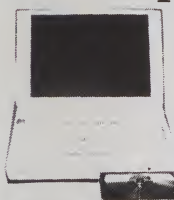
NEC \$799



- Pentium 2-333 processor
- 64 meg ram
- 4.3 Gig HDD
- 14.1" Active Color
- LS 120 Drive sound card
- 24x cd rom, 1.44 floppy
- Touchpad & pcmcia slot #3
- Serial, Parallel, Vga ports
- battery & adapter
- refurbished
- 56k fax modem

Pentium 233 processor 64/2.1 gig Active 20x

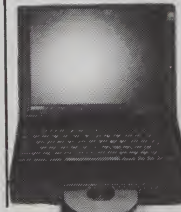
Compaq \$549



- Pentium 233 processor
- 64 meg ram
- 2.1 gig HDD
- 12.1" Active Color
- sound card
- 20x cd rom, 1.44 floppy
- Accupointer & pcmcia slot
- Serial, Parallel, Vga ports
- battery & adapter
- refurbished
- 33.6k fax

Pentium 166 processor 32/3.0 gig Active 10x

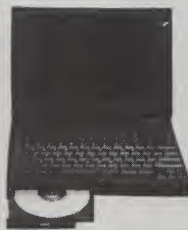
HP \$449



- Pentium 166 processor
- 32 meg ram
- 3.0 gig HDD
- 12.1" Active Color
- 10x cd rom
- 16 bit sound
- 1.44 3 1/2 Floppy
- accupointer & pcmcia slot #3
- Serial, Parallel, Vga ports
- battery & adapter
- refurbished
- 33.6k fax

Pentium 133 processor 48/2.1 Active 8x

IBM \$429



- Pentium 133 MMX
- 48 meg ram
- 2.1 Gig HDD
- 12.1" Active Color
- 8x CD Rom
- 16 bit sound,
- 1.44 3 1/2 Floppy
- Accupointer, pcmcia
- Serial, Parallel, Vga ports
- Battery & adapter
- refurbished
- 28.8k fax modem

Pentium 133 24/1.0 gig 4x CD Active

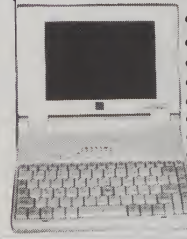
IBM \$349



- Pentium 133 processor
- 24 meg ram
- 1.0 gig HDD
- 10.4" Active Color
- 4x CD rom
- 16 bit sound
- 1.44 3 1/2 Floppy
- pcmcia
- Accupointer
- Refurbished
- 33.6 k fax modem

Pentim 133 32/2.1 12" Active Color

Compaq \$299



- Pentium 133 processor
- 32 meg ram
- 2.1 gig HDD
- 12.1" Active Color
- 1.44 3 1/2 Floppy
- 16 bit sound
- Accupointer, pcmcia
- Serial, Parallel, Vga ports
- battery & adapter
- refurbished
- 33.6k fax modem



486 notebooks
 color screen
\$199

Pentium & MMX
 is a registered trademark of Intel

17 Years

Since 1983

TrueData
 PRODUCTS, INC.

775 Quaker Highway Rte 146A P.O. Box 347 Uxbridge MA 01569

to order:
1-800-635-0300
 In MA 508-278-6555

All RETURNS must have RMA# Call 508-278-6555 You may be subjected to a restocking fee shipping and handling charges non-refundable. Price terms conditions subject to change without notice, not responsible for typographical errors. Corporate P.O. welcomed. International orders accepted. C.O.D.'s add \$6.00

MC Visa Amex Discover

Email Sales@truedataproductions.com

http://www.truedataproductions.com/

Jinco March into 21st Century



JINCO Computers
Since 1985



RATED ★★★★★ By PC Computing, Top 100 Direct Dealers

Supplying government agencies, schools and hospitals for over 15 years

PC PORTABLE KIT & SYSTEM

Available in barebone and custom-built systems with Intel PIII / AMD Thunder Bird

All Aluminum



PC 9SA
PC 5SA



PC 3



PC 9



PC 2



PC 8A



PC 8

POWER SUPPLIES

FOR ATX MOTHERBOARD
2.01, 2.03 (P4) Available

ATX SIZE (20 pin x 1)

230 - 530W

(6 x 5 1/2 x 3 3/8)



FOR AT MOTHERBOARD

ATT SIZE

230 - 600W

(8 3/8 x 6 x 5 7/8)



FOR AT MOTHERBOARD

SS SIZE (6 pin x 2)

230 - 400W

(6 x 5 1/2 x 3 3/8)



FOR AT MOTHERBOARD

AT SIZE

230 - 600W

(8 3/8 x 6 x 5 7/8)



PRICE	ATX	SS	AT & ATT
230W	\$37	\$37	\$45
250W	42	42	55
270W	50	/	/
Pentium 4 Ready	/	/	/
300W	62	62	72
320W	72	/	/
Pentium 4 Ready	/	/	/
400W	112	140	140
420W	127	/	/
Pentium 4 Ready	/	/	/
500/600	/	/	240/310

*Jinco Power

PRICE	ATX
J 250W	\$55
J 330W	77
J 350W	97
J430W	137
J530W	227

From J330W-J530W
Pentium 4 Ready w/2
Ball Bearing Thermal
control fan, low noise
long life & meet AMD
Athlon CPU

DC Power Supply

12V-250W AT & ATX \$246
48V-300W/350W AT & ATX \$261/284

*Jinco PowerSupply

- 1- Meet Intel 2.01, 2.03 & 2.03+12V (P4) Version.
- 2- Dual Ball Bearing Fan (300W & up)
- 3- Fan Monitor Function
- 4- Thermal Control Fan
- 5- Low Noise & long life
- 6- CE, FCC, UL, CSA, TUV Approved
- 7- 250W, 300W, 330W, 430W, 530W
- 8- Meet K7 Athlon, Thunder Bird & Petium IV
- 9- Longer wire & more connector

CPUS:

We have Celeron, Pentium 3-4, AMD K6-2 500 Mhz, Duron, Athlon, and Thunderbird

MEMORIES:

We carry 168pin SDRAM, 184pin DDR RAM & 184pin RAMBUS RAM!

MOTHERBOARDS You'll ♥ Our Motherboard + CPU Kits!



SE6, VP6, KT7A, KT7A-Raid, etc.



P4T, A7V133, A7M266, CUV4X-D, CUV4X-DLS, P3C-S, P3C-E, P3C-LS, etc.



K7 Master, K7T Turbo, K7T Pro 2-A, MS-6337 w/Raid, MS-6339, MS-694D, MS-6309, MS-6182, MS 5169, etc.



S2507, S2505DNGR, S2567U3NG, S2520U3NG, S1854, S1834, etc.



370DE6, S2DL3, 370SSA, etc.

At Jinco you can find every PC hardware component needed to build your own system!

Shop with Ease @ www.jinco.com



Awarded Yahoo! Top Service

The Top Service Star is a sign of superlative quality. It means that the store is participating in our Customer Rating Program, and that customers who have ordered from that store have given it the highest ratings. And the store with "Top Service" award has received 95%+ positive ratings!

Jinco Supplies best quality and brand name components!




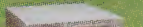

Video Cards
Sound Cards
Power Supplies
Portable PCs
Motherboard
Hard Drives

Cooling Accessories
CD / CDRW / DVD
Drive
LPX / NLX / Low Profile
CPUs: Pentium III, IV
AMD K7 TB 1G-1.2G
Memory: RD/SD RAM

USB Devices & IEEE 1394 Products

CASES

SUPER SLIMLINE WORKSTATION (BOOK PC)

C6214NLX	C6215LPX w/ieee1394	C6209LPX	C5203LPX	C9NLX		
						
Model	BareBone Price	Dimension W.D.H(inch)	5.25" Ext./Int.	3.5" Ext./Int.	Slot PCI / ISA	Motherboard I/O PORTS
6214NLX SKT370	\$495 w/CD, FD	11.3x13.2x3.3	W/Slim CD & FDD 1/0	1/1	2PCI	PS2, Speaker/LineIn/Mic, Game, USB, 1P1S VGA, RJ45LAN,PS, S-IR, Volume, Network M
C6215LPX SKT370	\$385	11.9x12.6x3	1/0	1/1	2PCI	2S, 1P, Floppy, USB, RJ-45, PS2 Mouse, PS2 Keyboard, VGA, Audio, Game, IR / PS
C6209LPX SKT370	\$350	11.8X12.5X3	1/0	1/1	2PCI, 1AMR, 1PTI	PS2, Speaker/LineIn/Mic, Game, USB, 1P1S VGA, RJ45LAN,PS, S-IR, Volume, Network M
C5203LPX	\$310 Socket 7	12.4X14.5X3.4	1/0	1/1	2PCI	PS2 Kb&Ms,Speaker/LineIn, 1P2S, VGA, USB, RJ45LAN, Audio / PS
C9NLX	\$425	12.5X16.25X4	1/0	1/1	3PCI or 2PCI 1ISA	2S, 1P, Floppy, USB, RJ-45, PS2 Mouse, PS2 Keyboard, VGA, Audio, Game, IR / PS

P1 EXTERNAL SCSI CASE



P2 ATX DESKTOP & ATX MID. TOWER CASE (P4 CASES AVAILABLE)



P3 ATX FULL TOWER & FILESERVER CASE (P4 CASES AVAILABLE)



P4 1U RACKMOUNT ATX (1U, 2U, 3U, 4U, 6U) & FILESERVER CASE (P4 CASES AVAILABLE)



Cases: We Carry Micro ATX Cases, Mid Tower ATX Cases, Full Tower ATX Cases, File Server ATX Cases, Rackmount ATX Cases, Rackmount w/Raid-Control Cases, External Scsi Cases

Jinco Computers

Info & Tech Support

Tel: 626-309-1108

Support

Fax: 626-309-1107

ORDER LINE 800-253-2531

EVER HAN CORP

5122 Walnut Grove Avenue
San Gabriel, CA 91776

M-F 8:00 - 5:30 • Sat 9:00 - 2:00 PST

We accept

For More Detail, New Products and Promotion Case See:

<http://www.jinco.com> • e-mail: jinco@pacbell.net

Jinco March into 21st Century

Motherboards

SUPERMICRO

Sys-8060-4xXeon,2x789U/3160MB,Lan,Case...\$3519
S2DL3-DualXeon,133FSB,789U/3160MB,Lan...\$575
P4STA-P4,850,400MHzFSB,4xRimm,U-100,4xUSB...\$239
370DER-2xP3,789U/160MB,2xLan,133FSB,VGA...\$725
370DE6-2xP3,789U/160MB,Lan,133FSB...\$565
370DLR-2xP3,789U/160MB,2xLan,133FSB,VGA...\$645
370DL3-2xPCPGA,789U/160MB,Lan,133MHzFSB...\$489
370DLE-LE chip, 2xPCPGA,Lan, 133MHzFSB...\$309
370SSR-815E,789U/160MB,2xLan,133MHzFSB...\$419
370SSA-815E, Ultra 100MB,133MHzFSB,Audio...\$135
370SSE-815, 133FSB/U-100,2xLan,4xAGP,\$245
P3DR3-840,133FSB,789U/160MB,Lan,Rambus...\$529
P3DRE-840,133FSB,Lan,Rambus,4xAGP...\$319
P6DGU-Dual P23,GX,U2,W/3...\$429
P6DBU-Dual P23,BX,U2,W/3...\$399
P6DBE-Dual P23,BX,2xIDE,ATX...\$175
P6SBU-P23,BX,789U U2/S3...\$297

ASUS

CUR-DLS-2xP3,789U/160MB,2xLan,133FSB,VGA...\$689
P4T-Pentium4,Intel850,133FSB,U-100,PCI/AGP...\$265
CIV4DL-Dual P3,VIA,133FSB,SCSI,Lan...\$355
A7V-KT133 VIA,AMD Socket A,U-100MB,ATX...\$159
CULS2-815E,133FSB,Ultra 100MB,Audio,4xAGP...\$155
CIV4X-VIA,133FSB,ATA66,Audio...\$125

S-2567-2x370,133FSB,2xU-160S3,Lan,Audio...\$749
S-2510U3-2x370,133FSB,U-160S3,2xLan,VGA...\$529
S-2510NG-2x370,133FSB,2xLan,VGA...\$419
S-1837UANGR-2xP23,U2,Lan/Raid...\$495
S-2390-AMD K7,ATA66,PC-133...\$125

Micro-Star International

815EPRO-815,133FSB,Audio,U100MB,ATX...\$119
MS6312R-Dual 370,133FSB/U-100,Raid,ATX...\$145

intel

STL2-2x370,133FSB,U-160,Lan,VGA,ATX...\$575
D850GB-P4,850,133FSB,Lan,Audio,U-100MB...\$259
L440GX+2xP3,GX,U2/S3,VGA,Lan...\$459
815EAL-815,133FSB,Audio/Lan,VGA...\$145
810EAL-810,133FSB,Audio/Lan,VGA...\$149

Gigabyte

GA-60XM7E-815E, Ultra 100MB,Audio...\$125
GA-7ZX-VIA/Duron,Ultra 66,ATX...\$125
GA7IXE-AMD K7,133FSB,ATA66...\$105

Abit

DCA200-2xXeon,840,133FSB,WTX...\$575
DVD266-R-VIA,2xCPU,266MHzFSB,DDR/Raid...\$195
KA266-R-AL266MHzFSB,DDR/Raid,4xAGP...\$195
WO2-R-815,133MHzFSB,Raid/Airram,Ultra-100,ATX...\$155
KV200-R-VIA,200MHzFSB,Raid/VCM,Ultra-100...\$155
KK266-R-VIA,266MHzFSB,Raid 4xAGP,U-100...\$159

ABIT Computer Corp.

VP6-Raid Via,133FSB,U-100,4xAGP,ATX...\$169
SA6-Raid-815E,133FSB,U-100,Audio,4xAGP...\$169
SE6-815E,133FSB,U-100MB,Audio...\$149
KT7-Raid VIA,TB,U-100,4xAGP...\$175
BX-133-Raid-BX,133FSB,Audio,U-100MB...\$135
KA7-AMD K7,Via-133,ATA66...\$135

CPU & Memory

intel **AMD** **Cyrix**

IntelP4-1.3G/1.4G/1.5G...\$365/\$429/\$675
IntelXeon-450/550/700(1M)...\$598/\$1059/\$1245
IntelP3-866/933/1G...\$215/\$249/\$269
IntelP3-750/800/850...\$155/\$189/\$215
IntelP3-650/700/733...\$139/\$155/\$159
Celeron-667/700/733/766...\$85/\$89/\$105/\$129
AMDTB-950/1G/1.2G...\$179/\$225/\$245
AMDTB-800/850/900...\$119/\$125/\$149
AMDTB-650/700/750...\$85/\$99/\$115
DDR Sdm-128/256...\$105/\$189
Rambus-64/128/256...\$135/\$195/\$425
Sdm-32/64/128/256...\$19/\$35/\$55/\$85
Sdm+ECC-64/128/256...\$45/\$59/\$89
Sdm+ECC-512M/1M...\$395/\$Call

Please Call for New Daily Prices

Ultimate Quad Server



*SupermicroS2QRP6-QuadXeon
*1GB,ECCReg.(upto16GB)
*AdaptecAD200U,Ultra-160RaidCard
*54GB(3x18GB),w/Hot-Swap
*Seagate12-24GBDDS3/STTape
*100MBIDEZip,1.44MBFloppy
*Adaptec7899U3,Ultra-160LVD
*Sony48xIDECD-Rom
*Intel100BT/Lan,ATTIVGAw/4M
*ServerCase,3x400WRedundant
*MS-Mouse&104KeysKeyboard
Xeon450-DualQuad...\$7649/\$8829
Xeon550-DualQuad...\$8699/\$10949
Xeon7001M-DualQuad...\$9099/\$11659
Xeon7002M-DualQuad...\$10479/\$14489
Xeon933B-DualQuad...\$Call/Call

Deluxe Xeon Server



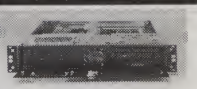
*SupermicroS2DL3-DualXeon
*ServerWorkLEchip,100-133FSB
*512MBECCReg.(upto4GB)
*Adaptec7892U,Ultra-160LVD
*18GB,10Krpm,Ultra-160MB
*12-24GB,DDS-3SCSITapedrive
*100MBIDEZip,1.44MBFloppy
*Sony48xIDECD-Rom
*3D4MBAGPVideoCard
*IntelExpressProPCI10/100BT
*SupermicroS760AFU-Tower/300W
*MS-Mouse&104KeysKeyboard
DualXeon450-512K...\$3129
DualXeon550-512K...\$4189
DualXeon700-1M2M...\$4519/\$5599
DualXeon933-256K...\$Call

4U Linux Raid 5 Server



*370DLE-DualFCPGA/CPUReady
*ServerWorkLEchip,100-133FSB
*256MB/ECCReg.(upto4GB)
*AD2100S,160MBRaidCard
*3x9GB/160MB,Raid5Ready
*48xSpeedIDECD-Rom
*4MPCIVGA,1.44floppydrive
*Integrated10-100BT/Lan
*4U19"Rackmount,6x5.25" Bays
*MS-Mouse&104KeysKeyboard
DualP3-600E/600EB...\$2199/\$2209
DualP3-650E/667EB...\$2219/\$2249
DualP3-700E/733EB...\$2279/\$2289
DualP3-750E/800EB...\$2299/\$2349
DualP3-850E/866EB...\$2369/\$2389
DualP3-933EB/1000EB...\$2509/\$2549

2U Web Server



*SupermicroP6DGU,Intel440GX
*DualCPU,128MB/100MHz
*Adaptec7890,U2,80MB/sec
*9GBU2LVD,80MB/S,W/S3
*48xSpeedIDECD-Rom
*4MPCIVGA,1.44floppydrive
*IntelExpressProPCI10/100BT
*2U19"Rackmount,w/250WATX
*3xPCIRiscard
*MS-Mouse&104KeysKeyboard
DualP3-600E/650E...\$1399/\$1409
DualP3-700E/750E...\$1449/\$1499
DualP3-800E/850E...\$1549/\$1589
MS-Windows2000Pro...\$175
Upgrade to Intel440GX...+\$79

1U Web Server

*Intel815EALw/CPU&Fan
*Intel815chipset,66/100/133FSB
*128MB SDRAM (upto512MB)
*20GB,9ms,7200rpmATA/100MB
*Integrated4xAGPVGA
*Integrated10-100BT/Lan&Audio
*1URiscardfor2ndLancard
*48xSpeedIDECD-Rom
*31/2"1.44MBfloppydrive
*PS2104keyboard&MS-Mouse
*Black1U/19" Rackmount,200W
IntelP3-600E/600B...\$809/\$809
IntelP3-650E/667B...\$819/\$829
IntelP3-700E/733B...\$839/\$849
IntelP3-750E/800B...\$859/\$879
IntelP3-850E/866B...\$889/\$899
IntelP3-933B/1000B...\$949/\$979

1U SCSI Server

*370SSR,815chip,100/133MHzFSB
*370FCPGA/CPUw/Fan
*128MB SDRAM (upto512MB)
*9GBU2LVD,160MB/sec
*Adaptec7899LVD,160MB/sec
*2xUltraATA/100MBIDE
*Integrated4xAGPVGA
*2xIntegrated10-100BT/Lan&Audio
*1URiscardfor2ndLancard
*48xSpeedCD-Rom,1.44MBfloppy
*PS2104keyboard&MS-Mouse
*Black1U/19" Rackmount,200W
DualP3-600E/667B...\$1189/\$1199
DualP3-700E/733B...\$1209/\$1219
DualP3-750E/800B...\$1229/\$1249
DualP3-850E/866B...\$1259/\$1269
DualP3-933B/1000B...\$1319/\$1349

1U/2U Dual Web Server

*370DLR-DualP3FCPGA/CPUReady
*ServerWorkLEchip,100-133FSB
*256MB/ECCReg.(upto4GB)
*9GBU2LVD,160MB/sec
*IntegratedAdaptec7892,Ultra-160
*Integrated2x10-100BT/Lan
*IntegratedPCIVGA,8M
*48xSpeedIDECD-Rom
*3.5"1.44MBfloppydrive
*PS2104keyboard&MS-Mouse
*Black1Uor2U19" Rackmount
DualP3-600E/600B...\$1649/\$1659
DualP3-650E/667B...\$1669/\$1689
DualP3-700E/733B...\$1709/\$1729
DualP3-750E/800B...\$1749/\$1799
DualP3-850E/866B...\$1819/\$1839
DualP3-933B/1000B...\$1949/\$1989

P4 Super Station

*P4STA,Pentium4CPUReady
*Intel850,100-400MHzFSB
*256MBRambusMemory
*60GB,7200rpm,U-100MBIDE
*ATIRadeon32MBDDR,4xAGP
*Soundblaster Live soundcard
*USR56K/V.90Modem,w/voice
*48xSpeedIDECD-Rom
*3.5"1.44MBfloppydrive
*10MEGA250MBIDEzipdrive
*MS-NaturalKeyboard&Mouse
*Mid-Towercasew/300WPS
*MS-Windows2KProfessional
Pentium4-1.3Mhz...\$1999
Pentium4-1.4Mhz...\$2059
Pentium4-1.5Mhz...\$2339

Video Cards

All-In-W-RadeonAGP,32MB...\$265
ATIRadeonAGP,32/64MB...\$165/\$209
Rage FuryMax/AGP,64MB...\$129
All-In-W28P,1632MB,AGP...\$135/\$175
MatrixG450D,1632MB,AGP...\$109/\$119
OxygenVX1,1632MB,AGP...\$125/\$175
OxygenGVX1,AGP,32MB...\$465
OxygenGVX1Pro,AGP,64MB...\$735
OxygenGVX210,AGP,64MB...\$1219
OxygenGVX420,AGP,64MB...\$1719
ELSA Synergy Force,AGP,32MB...\$225
ELSA Gladiac,AGP,32/64MB...\$275/\$555
ELSA Synergy-III,Quadro,2MXR...\$489
ELSA Gloria-III,Quadro2Pro,64MB...\$1165
AsusV7700GeForce2,AGP,32M...\$129
AsusV7700PureDeluxe,32M...\$209/\$235

CD-Rom Drives

Yamaha,16x10x40 SCSI,7200rpm,100MB...\$279
HP-91401,8x4x32,IDE Rewriter...\$159
HP-95001,12x8x32,IDE Rewriter...\$199
Teac-S12E,12x10x32,IDE Rewriter...\$179
Plexor,12x10x32,IDE CD Rewriter...\$235
E210,17",1600x1200,24dpi,60KHz...\$339
G400,19",1600x1280,24dpi...\$539
E400,19",1800x1440,24,109K...\$489
AS75F,17",1280x1024,25,Flat...\$245
A900,19",1600x1280,28,92K...\$445
FP950,19",1920x1440,25,110K...\$559

Hard Drives

IBM-307020,20GB,7200rpm,100MB...\$125
IBM-307030,30GB,7200rpm,100MB...\$149
IBM-307045,45GB,7200rpm,100MB...\$169
IBM-307060,60GB,7200rpm,100MB...\$229
IBM-307075,75GB,7200rpm,100MB...\$309
IBM-309170LW,9.1GB,7200rpm,U2,4M...\$205
IBM-109170LW,9.5GB,10Krpm/160MB...\$209
IBM-18350LW,18GB,10Krpm/160MB...\$279
IBM-36950LW,36GB,10Krpm/160MB...\$489
MaxtorS3073U,30GB,7200rpm...\$142
MaxtorS4000,40GB,7200rpm...\$159
MaxtorS5060,61GB,7200rpm...\$235
MaxtorS8196H,81GB,5400rpm...\$279
WD307AA,30GB,7200rpm,100MB...\$145
WD400BB,40GB,7200rpm,100MB...\$165
WD600AB,60GB,5400rpm,100MB...\$215
Quantum4000A,40GB,7200rpm...\$169
Quantum6000A,60GB,7200rpm...\$255
Quantum30910LL,9GB,7200rpm/160M...\$195
Quantum30910TN,9GB,10Krpm/160M...\$199
Quantum31830LL,18GB,7200rpm/160...\$269
Quantum31840LL,18GB,10Krpm...\$315
Quantum33640LL,36GB,7200rpm/160...\$465
Quantum33640TN,36GB,10Krpm/160...\$495
Quantum37340LL,37GB,10Krpm...\$985
Seagate320414,20GB,7200rpm...\$135
Seagate330630,30GB,7200rpm...\$145
Seagate39236LW,9GB,7200rpm...\$225
Seagate33204LL,9GB,10Krpm/160MB...\$235
Seagate31834LL,18GB,7200rpm/160...\$299
Seagate31840LL,18GB,10Krpm...\$329
Seagate31845LL,18GB,15Krpm...\$419
Seagate33670LL,36GB,10Krpm/160...\$539
Seagate17340LL,17GB,10Krpm/160...\$985

Black/Net PC



*Intel810All-in-oneMainboardw/CPU
*64MB SDRAM,20GB Ultra IDE
*3D AGP VGA (AV/S-Video)
*AC3 Audio w/TV out (AV & S-Video)
*56K/V.90 Data/Fax Voice modem
*Dual USB for external communication
*Intel 5x Win DVD, Media Ring Talk
*1.44MB Floppy Drive, 10-100BT/Lan
*Black Book Size 272 x 295 x 82mm
*Wireless Mouse & Keyboard
*MS-Windows 98 B Installed (licensed)
Celeron-600/700...\$579/\$599
P3-600E/650E/700E...\$509/\$519/\$539
P3-750E/800E/850E...\$559/\$569/\$579
Book PC Barebone System...\$285

Intel Book/Net PC

*Intel810All-in-oneMainboardw/CPU
*64MB SDRAM (upto512MB)
*20GB ATA/66MB IDE drive
*4Mb 3D VGA, Audio, TV (AV/S-Video)
*56K/V.90 Modem, 10/100 Mbps Lan
*52x Speed IDE CD-Rom, 1.44MB
*Mouse & Keyboard
*Book Size 272mmx295mmx82mm
*MS-Windows 98 B (Installed & licensed)
Celeron-600/667/700...\$459/\$469/\$479
P3-600/650/700...\$509/\$529/\$539
P3-750/800/850...\$559/\$579/\$599
Book PC Barebone System...\$175

InterPro
Microsystems Inc.
44920 Osgood Road,
Fremont CA 94539
TEL: (510) 226-726 FAX: (510) 226-7219

Your PC Discount Specialists
If you find a better price, call us before you buy... We will try to match or beat any advertised price.

Hours of Operation: M-F 8:00 am - 6:00 pm
Saturday: 10:00 a.m. - 2:30 pm P.S.T

800-226-7216
No Surcharge on any credit card



Term & Conditions:
Knowledgeable tech-support engineers in service.
One year Parts & Labor Warranty. Warranty does not cover software problem. No responsible for typos.
Prices, Specification, Availability subject to change w/o notice. P.O. & Net Term subject to credit approvals. FOB Fremont. Return items are subject to 15% restocking fees. All returned items must have a RMA # & a copy of invoice.

* Been selling products
Since 1993
* Quality name brand Component
* Located in heart of Silicon Valley



800-284-2257

www.adamant.com

ADAMANT COMPUTER SYSTEMS

GAME SCREAMER-6000

AS LOW AS \$1589

- 1.0GHz AMD Athlon™ Processor
- 128MB DDR Memory
- 45.5GB 7200 rpm Ultra ATA-100 HDD
- 32MB DDR ATI Radeon 4xAGP Video
- 12x10x32 Max Variable Speed CDRW
- 12xMax Variable Speed DVD Drive
- 100MB IDE Zip Drive
- V.90 Creative 56K Fax/Modem
- SoundBlaster Live Value 5.1 Digital
- Enlight Tower or Desktop Case
- 19" 1280x1024 .25 SVGA Monitor
- Cambridge Digital Powercube 3-Speakers Set with Subwoofer
- PS/2 Keyboard, PS/2 Mouse
- Microsoft Windows ME or 98SE
- Corel Word Perfect Office-2000
- McAfee Virus Scan, CD Bundle
- 72 Title PC Starter Kit
- 3 Years Parts, Lifetime Labor Warranty

AMD Athlon™ 1.0GHz	\$1589
AMD Athlon™ 1.2GHz	\$1649
AMD Athlon™ 1.3GHz	\$1699

250MB Zip Drive	Add \$49
16 x DVD Drive	Add \$49
60GB Hard Drive	Add \$89
21" 26 Monitor	Add \$369
16x10x40 CDRW Drive	Add \$99

SCHOLAR STATION-4000

AS LOW AS \$799

- 850MHz AMD Athlon™ Processor
- 256MB PC133 SDRAM Memory
- 30.5GB 7200rpm Ultra ATA-100 HDD
- 8x4x32 Max Variable Speed CDRW
- 1.44MB 3.5 FDD Drive
- 4xAGP S3 Savage 3D Video Graphics
- V.90 Creative Labs 56K Fax/Modem
- Sound Pro-32 3D Sound Card
- Enlight Tower or Desktop Case
- Creative SBS15 Stereo Speakers
- PS/2 Keyboard, PS/2 Mouse
- Microsoft Windows ME or 98SE
- Corel Word Perfect Office-2000
- McAfee Virus Scan, CD Bundle
- 72 Title PC Starter Kit
- 3 Years Parts, Lifetime Labor Warranty

AMD Athlon™ 850MHz	\$799
AMD Athlon™ 1.0GHz	\$889
AMD Athlon™ 1.2GHz	\$949
AMD Athlon™ 1.3GHz	\$999

512MB RAM	Add \$99
45.5GB HDD	Add \$49
USB Scanner	Add \$65
12x DVD ROM	Add \$69
Epson-777 USB Color Printer	Add \$99

POWER STATION-1000

AS LOW AS \$1859

- 1.4GHz Pentium® - 4 Processor
- 128MB PC800 RDRAM Memory
- 45.5GB 7200rpm Ultra ATA-100 HDD
- 32MB Matrox G450 4xAGP Video
- 12x10x32 Max Variable CDRW Drive
- SB Live Value 5.1 Digital Sound Card
- V.90 Creative 56k Fax/Modem
- 1.44MB 3.5" FDD Drive
- Enlight Tower or Desktop Case
- 19" 1600x1280 .26 SVGA Monitor
- Cambridge Digital Powercube 3-Speakers Set with Subwoofer
- PS/2 Keyboard, PS/2 Mouse
- McAfee VirusScan, CD Bundle
- 72 Title PC Starter Kit
- Microsoft Windows ME or 98SE
- Corel Word Perfect Office-2000
- 3 Years Parts, Lifetime Labor Warranty

Pentium®-4 1.4GHz	\$1859
Pentium®-4 1.5GHz	\$2099

Kodak Digital Camera	Add \$119
256 MB RDRAM	Add \$189
MS Office-2003BE	Add \$189
75.2GB 7200rpm HDD	Add \$189
12x32 DVD/CD-RW	Add \$149

ALL-in-ONE PC-5000

AS LOW AS \$679

- 700MHz Intel® Celeron™ Processor
- 256MB PC133 SDRAM Memory
- 30.5GB 7200 rpm Ultra ATA-100 HDD
- 4x AGP SIS 3D Video Graphics
- 12x Max Variable Speed DVD Drive
- 1.44MB 3.5" FDD Drive
- Sound Pro 3D PCI Sound Card
- V.90 Standard 56K Fax/Modem
- PCI 10/100BASE-T Network Card
- Slim Mini Tower or Desktop Case
- Creative SBS15 Stereo Speakers
- PS/2 Keyboard, PS/2 Mouse
- Microsoft Windows ME or 98SE
- Corel Word Perfect Office-2000
- McAfee Virus Scan, CD Bundle
- 72 Title PC Starter Kit
- 3 Years Parts, Lifetime Labor Warranty

Intel® Celeron™ 700MHz	\$679
Intel® Celeron™ 800MHz	\$739
Pentium® III 866MHz	\$829
Pentium® III 933MHz	\$869
Pentium® III 1.0GHz	\$889

17", 27 Monitor	Add \$159
19", 27 Monitor	Add \$269
15" LCD Monitor	Add \$599
45.5GB Hard Drive	Add \$49
12x10x32 CD-RW	Add \$149

ADAMANT'S BAREBONE SYSTEMS

Athlon™ INTEGRATED BAREBONE

Enlight ATX Case, 300W Power Supply
266MHz Bus Speed Motherboard
1.44MB 3.5" FDD
Built-in HDD/FDD IDE UDMA/100 Controller,
On board S3 3D Video Accelerator Card
On board Sound-Pro 3D PCI Sound Card
PS/2 Enhanced Keyboard, PS/2 Mouse

AMD Duron™ 800MHz	\$259
AMD Athlon™ 1.0GHz	\$359
AMD Athlon™ 1.2GHz	\$429
AMD Athlon™ 1.3GHz	\$479

128MB PC133 SDRAM Memory add \$49

Athlon™ DDR BAREBONE

Enlight ATX Case, 300W Power Supply
266MHz Bus Speed Motherboard
1.44MB 3.5" FDD
Built-in HDD/FDD IDE RAID/100 Controller,
On Board AC'97 PCI Sound Card,
PS/2 Enhanced Keyboard, PS/2 Mouse

AMD Duron™ 800MHz	\$349
AMD Athlon™ 1.0GHz	\$449
AMD Athlon™ 1.2GHz	\$529
AMD Athlon™ 1.3GHz	\$569

128MB DDR Memory add \$69

P-III INTEGRATED BAREBONE

Enlight ATX Case, 300W Power Supply
133MHz Bus Speed Motherboard
1.44MB 3.5" FDD
Built-in HDD/FDD IDE UDMA/100 Controller
On board SIS 3D Video Accelerator Card
On board Sound-Pro 3D PCI Sound Card
PS/2 Enhanced Keyboard, PS/2 Mouse

Intel® Celeron™ 700MHz	\$249
Intel® Celeron™ 800MHz	\$309
Pentium® III 866/933MHz	\$385/439
Pentium® III 1000MHz	\$459

128MB PC133 SDRAM Memory add \$49

P-4 CLASSIC BAREBONE

Enlight ATX Case, 300W Power Supply
400MHz PS Bus Speed Motherboard
128MB RDRAM Memory
On board AC'97 PCI Sound Card
1.44MB 3.5" FDD
Built-in HDD/FDD
IDE UDMA/100 Controller,
PS/2 Enhanced Keyboard,
PS/2 Mouse

Pentium® - 4 1.4GHz	\$889
Pentium® - 4 1.5GHz	\$1129

128MB RDRAM Memory add \$199

ADAMANT'S 6 TOP SELLING MOTHERBOARDS OF THE MONTH

ABIT KT7A RAID/100 \$159

VIA Chipset, 200MHz Bus Speed, 6-PCI,
1-ISA, 1-4x AGP Slot, 3-168 pin Memory
Slots, Award PnP BIOS, 2-USB Ports,
Built-in IDE RAID, IDE UDMA/100 and I/O
Controller, ATX Form Factor



AMD Duron™ 800MHz	\$245
AMD Athlon™ 1.0GHz	\$359
AMD Athlon™ 1.2GHz	\$399
AMD Athlon™ 1.3GHz	\$459

ASUS A7V133 \$149

VIA KT133 Chipset, 200MHz Bus Speed,
5-PCI, 1-4x AGP Pro Slot,
3-168 pin Memory Slots, AMI PnP BIOS,
4-USB Ports, Build-in IDE UDMA/100
and I/O Controller, ATX Form Factor.



AMD Duron™ 800MHz	\$235
AMD Athlon™ 1.0GHz	\$349
AMD Athlon™ 1.2GHz	\$389
AMD Athlon™ 1.3GHz	\$449

IWILL KA266-R \$175

ALI Chipset, 266MHz Bus Speed, 5-PCI,
1-AMR, 1-4xAGP Slot, 3-DDR Memory Slots,
2-USB Ports, Award PnP BIOS, Build-in IDE
RAID/100, IDE UDMA/100 and I/O Controller,
ATX Form Factor.



AMD Duron™ 800MHz	\$259
AMD Athlon™ 1.0GHz	\$359
AMD Athlon™ 1.2GHz	\$419
AMD Athlon™ 1.3GHz	\$465

128 MB DDR Memory add \$169

DFI CA64-EN \$77

VIA 694X Chipset, 133MHz Bus Speed, 5-PCI, 1-ISA,
1-4xAGP Slot, 3-168 pin Memory Slots, Award
PnP BIOS, 2-USB Ports, Build-in IDE UDMA/100
and I/O Controller, ATX Form Factor.



ASUS CUSL2-C \$119

i815E Chipset, 133MHz Bus Speed, 6-PCI,
2-AMR, 1-4xAGP Pro Slot, 3-168 pin Memory
Slots, Award PnP BIOS, 2-USB Ports, Build-in
IDE UDMA/100 and I/O Controller, ATX Form Factor.



INTEL D850GB \$209

i850E Chipset, 400MHz FS Bus Speed,
5-PCI, 1-CN, 1-4xAGP Slot, 4-RDRAM
Memory Slots, Award PnP BIOS, 2-USB Ports,
Built-in IDE UDMA/100 and I/O Controller,
ATX Form Factor



Intel® Celeron™ 700MHz	\$169
Intel® Celeron™ 800MHz	\$219
Pentium® III 866MHz	\$299
Pentium® III 933MHz	\$345
Pentium® III 1.0GHz	\$369

Intel® Celeron™ 700MHz	\$199
Intel® Celeron™ 800MHz	\$255
Pentium® III 866MHz	\$339
Pentium® III 933MHz	\$385
Pentium® III 1.0GHz	\$409

Pentium®-4 1.4GHz	\$785
Pentium®-4 1.5GHz	\$999
128MB RDRAM PC800 Memory	FREE

Prices and configurations are subject to change without notice. Not responsible for typographical errors. Valid RMA number required for all returns. Shipping, charges are not refundable and are deducted from price. No refunds will be made for merchandise returned after 30 days from the date of the invoice. Purchaser is responsible for all freight costs on all returns of merchandise. Full credit will not be given for incomplete or damaged returns. Products returned in non-refundable conditions are subject to a restocking fee. Call for warranty and return policy details. All logos and trademarks belong to their respective companies. Windows is a registered trademark of Microsoft Corporation.

Quality systems from
Adamant Computers are powered by



CUSTOM CONFIGURATIONS



ADAMANT COMPUTERS, INC., 4572 RENAISSANCE PKWY, CLEVELAND, OH 4 1218

PHONE: 216-595-1211,

TECHNICAL SUPPORT: 216-595-9985,

FAX: 216-595-1430

MEMORY

LIFETIME WARRANTY

72 PIN MEMORY	
8MB 2X32-60 EDO	\$15.00
16MB 4X32-60 EDO	\$35.00
32MB 8X32-60 EDO	\$62.00
FPM & Parity Available	CALL
168 PIN SDRAM	
32MB 4X64 66Mhz	\$17.00
64MB 8X64 66Mhz	\$30.00
128MB 16X64 66Mhz	\$52.00
32MB 4X64 PC100	\$14.00
64MB 8X64 PC100	\$21.00
128MB 16X64 PC100	\$38.00
256MB 16X64 PC100	\$72.00
64MB 8X64 PC133	\$21.00
128MB 16X64 PC133	\$42.00
256MB 16X64 PC133	\$76.00
RAMBUS	
128MB ECC 800Mhz	\$165.00
256MB ECC 800Mhz	\$321.00
DDR	
64MB PC1600 200Mhz	\$38.00
128MB PC 1600 200Mhz	\$69.00
256MB PC 1600 200Mhz	\$140.00

VIDEO CARDS

TCW

SIS 4mb PCI	\$24.00
SIS 3D 8mb AGP	\$28.00
TNT2Vanta 16mb AGP	\$46.00
TNT2Vanta 32mb AGP	\$60.00
GeForce2 MX 32mb	\$86.00
Blade 3D 4mb AGP	\$29.00
Blade 3D 8mb PCI	\$33.00
Blade 3D 8mb AGP	\$34.00
Blade 3D 8mb DVD	\$40.00

ASUS

Geforce2 7100 32mb	\$108.00
G2 7100 32mb Twin	\$125.00
Geforce2 7700 32mb	\$179.00
Geforce2 7700 64mb	\$280.00

ATI

All in1 128 16mb AGP	\$117.00
All in1 128 32mb AGP	\$141.00
Radeon All in 1 32MB	\$203.00
Xpert@PI98 8mb AGP	\$42.00
Xpert 98 8mb AGP	\$34.00
Xpert 128 16mb AGP	\$52.00
Xpert 2000 32b AGP	\$53.00
RageFury 32mb	\$79.00
Radeon 32mb AGP	\$80.00
Radeon 64mb AGP	\$218.00

MATROX

G450/16Dualhead DDR	\$89.00
G450/32DualheadDDR	\$119.00

CPUs

AMD



ATHLON SOCKET A

Athlon 1.3 Ghz	\$227.00
Athlon 1.2 Ghz	\$209.00
Athlon 1.1 Ghz	\$176.00
Athlon 1.0 Ghz	\$164.00
Athlon 950Mhz	\$132.00
Athlon 900Mhz	\$113.00
Athlon 850Mhz	\$109.00

DURON

Duron 850Mhz	\$66.00
Duron 800Mhz	\$55.00
Duron 750Mhz	\$52.00
Duron 700Mhz	\$49.00

K6 - 2

K6-2 550 Mhz	\$69.00
K6-2 500 Mhz	\$41.00

Buy a fan w/ any cpu
for a 1year warranty!

Prices estimated
on market trends
as of 3/7/2001

NETWORK



HUBS

5port Mini w/AC	\$18.00
8port Mini w/AC	\$24.00
8port 10/100 w/AC	\$62.00
16port 10/100 w/AC	\$181.00
DSL/Cable Mod. Router	\$86.00
DSL/Cab. w/4port Switch	\$99.00

CARDS

ISA 10 baseT 3yr.	\$9.00
PCI 10 baseT 3yr.	\$9.00
PCI 10/100 3yr.	\$11.00
Intel Pro 10/100	\$41.00
3Com 10/100 905btz	\$44.00

MODEMS

56K	
ISA Voice	\$34.00
Intel PCI Full Dplx	\$17.00
Lucent PCI	\$15.00
Rockwell Full Dplx	\$34.00

INTEL

PENTIUM III FLIP CHIP

P-III 1000Mhz PC133	\$251.00
P-III 933Mhz PC133	\$211.00
P-III 866Mhz PC133	\$188.00
P-III 850Mhz PC100	\$175.00
P-III 800Mhz PC133	\$164.00
P-III 800Mhz PC100	\$178.00
P-III 750Mhz PC100	\$157.00
P-III 733Mhz PC133	\$156.00
P-III 700Mhz PC100	\$132.00
P-III 667Mhz PC133	\$114.00
P-III 650Mhz PC100	\$110.00

PENTIUM III SLOT

P-III 866Mhz PC133	\$177.00
P-III 850Mhz PC100	\$159.00
P-III 800Mhz PC100	\$141.00
P-III 750Mhz PC100	\$135.00
P-III 733Mhz PC133	\$128.00

CELERON 2 FCPGA

Celeron 766Mhz	\$98.00
Celeron 733Mhz	\$92.00
Celeron 700Mhz	\$82.00
Celeron 667Mhz	\$72.00
Celeron 600Mhz	\$69.00

HARD DRIVES

MAXTOR

20GB 66/5400/2mb	\$88.00
20GB 100/7200/2mb	\$103.00
30GB 100/7200/2mb	\$125.00
40GB 100/7200/2mb	\$138.00
61GB 66/5400/2mb	\$179.00
81GB 100/5400/2MB	\$238.00

WESTERN DIGITAL

20.5GB 100/5400/2mb	\$90.00
20.5GB 100/7200/2mb	\$98.00
30.0GB 66/5400/2mb	\$100.00
30.0GB 100/7200/2mb	\$119.00
40.0GB 66/7200/2mb	\$139.00

SAMSUNG

20.0GB 66/5400/512	\$89.00
30.0GB 66/5400/512	\$101.00
40.0GB 66/5400/512	\$112.00

IBM

20GB 100/5400/2mb	\$92.00
20GB 100/7200/2mb	\$107.00
30GB 100/7200/2mb	\$128.00
40GB 100/5400/2mb	\$108.00
45GB 100/7200/2mb	\$160.00
60GB 100/7200/2mb	\$198.00
75GB 100/7200/2mb	\$261.00

SEAGATE

20.0GB 100/5400/2mb	\$89.00
30.0GB 66/7200/2mb	\$123.00

IOMEGA

100mb IDE Int. Zip	\$46.00
250mb Internal	\$84.00

MONITORS

All Have a 3 Year Warranty!



AOC

15" Digital .28 5E	\$136.00
17" Digital .27 7ELR	\$179.00
19" Digital .26 9GLRS	\$289.00

MGC

15" Digital .28 3yr.	\$129.00
17" Digital .27 3yr.	\$183.00

KDS

15" LCD Radius S-3F	\$570.00
17" Digital .27 3yr.	\$176.00
17" Digital .24 3yr.	\$256.00
19" Digital .26 3yr	\$289.00
21" Digital .25 3yr	\$669.00

PROVIEW

15" Digital .28 3yr.	\$114.00
----------------------	----------

VIEWSONIC

17" GT775 .26 3yr.	\$366.00
21" P810-4 .22 3yr	\$855.00

Many Other
Items Are
Shown Online

CASES



Mini Tower AT 250w	\$28.00
Mid Tower AT 250w	\$30.00
Full Tower AT 300w	\$42.00
Mid Tower ATX 250w	\$42.00
Mid Tower ATX 300w	\$59.00
Full Tower ATX 300w	\$69.00
Full ATX Hydraulic	\$99.00
Enlight Mid ATX 7237	\$57.00
Enlight Mid ATX 300w	\$89.00

ACCESSORIES

Floppy	
Mitsumi Floppy	\$14.00
Keyboards & Mice	
Mitsumi Keyboard PS/2	\$9.00
Microsoft Natural Kybrd PS/2	\$32.00
Microsoft Internet Kybrd PS/2	\$39.00
Mitsumi Mouse PS/2	\$6.50
Mitsumi Mouse Serial	\$6.50
Mitsumi Mouse Scroll PS/2	\$0.00
Microsoft Intllmouse PS/2	\$17.00

MOTHER-BOARDS

Other Boards in Stock!

ASUS

A7V133 Sckt.A	\$148.00
CUV4X Sckt.370	\$119.00
CUSL2 815e Vid.	\$149.00

BIOSTAR

M5VNB AT snd/vid	\$67.00
M6TWG SL1&370	\$96.00
M7VKB-2 133 u100	\$98.00
M6VCG Sckt370	\$79.00
M7MIA DDR ScktA	\$145.00
M7VKE DDR ScktA	\$107.00

FIC

503+ Sup. Sckt 7	\$73.00
------------------	---------

MICROSTAR

KM133 Pro-A	\$115.00
K7T Pro 2-A	\$129.00
MS6321 Dual 370	\$135.00
MS6309 Sckt 370	\$98.00
MS6368 370,Snd,Vid	\$89.00

INTEL

815EA Vid.Snd.370	\$132.00
815EAL Vid.Snd.LAN	\$139.00

CD ROMS

48X Mitsumi IDE	\$39.00
50X IDE	\$32.00
56X IDE	\$39.00
50X Asus IDE	\$44.00

CD RECORDER

8/8/32 RW Samsung	\$124.00
16/10/40 RW Yamaha	\$239.00

DVD ROMS

Afreey DVD 10X IDE	\$64.00
Samsung DVD 12X	\$74.00

SOUND CARDS

USS ISA 16bit	\$9.00
ESS PCI Solo	\$14.00
Yamaha PCI 32bit	\$16.00
Creative ISA 16bit	\$25.00
Creative PCI 16bit	\$21.00
Creative PCI 128	\$32.00
Creative Live Value	\$49.00
Creative MP3 5.1	\$92.00
Creative X-Gamer 5.1	\$92.00
Creative Live Plat.	\$188.00
Diamond MX400 PCI	\$45.00

SPEAKERS

125w w/power	\$9.00
Flat Panel w/ Sub	\$24.00
Kinyo PS513 3-D	\$22.00
Kinyo SA210w/MiniSub	\$27.00
Kinyo SW4315	
w/sub+surr. snd.	\$45.00
Kinyo TA-419 5pc	\$59.00

Thompson's Computer Warehouse
The Thompson Center
6306 Benjamin Rd.
Suite 610
Tampa, FL 33634

Thompson's Computer
Warehouse, Inc.
800-394-4503

Prices subject to change without notice. Not responsible for typographical errors.



<http://www.tcwo.com>
Visit us today online!
Prices updated daily!
Order Online!

Mastering the Mail

by
Sheldon Leemon

Get the most out of Outlook Express with a few easy settings.

E-mail is the Internet's killer app, the function most likely to convince technophobes to jump online, and the one they're most likely to use on a daily basis once they get there. These days, nearly everyone uses e-mail. Businesspeople whip off electronic missives to colleagues, students turn in book reports electronically, and grandparents check their in-boxes for the latest photos of the grandkids.

Yet most of us use our e-mail as if it were merely the digital equivalent of snail mail, complete with its attendant limitations. We read our incoming mail and compose our own messages (analogous to tearing open an envelope and licking a stamp), but we rarely, if ever, exploit the digital nature of e-mail to its fullest.

If you spend a substantial amount of time each day keeping up with e-mail, investing a few minutes in learning how to use message rules and a few other features will likely pay off many times over in saved time and avoided aggravation. Though certainly not the only e-mail program worth using, we focused on Microsoft Outlook Express 5, largely because of its popularity.

AUTOMATIC ADDRESS-BOOK ENTRIES

Almost any e-mail program will provide an address book, but even the best-implemented will do you little good if you forget to enter the names and e-mail addresses of your correspondents. One way around the frustration of pecking them in yourself is to have Outlook Express do it for you. Choose Tools > Options > Send, then enable "Automatically put people I reply to in my Address

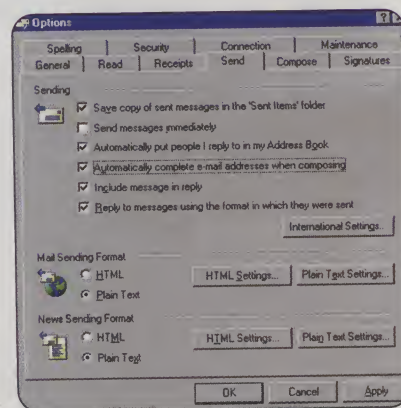
Book." For help entering recipients as you create messages, also check "Automatically complete e-mail addresses when composing."

Tip: Familiarize yourself with other Send options while you're at it. For instance, enabling "Send messages immediately" may make sense if you enjoy always-connected broadband service, particularly if you often forget to click Send-Receive.

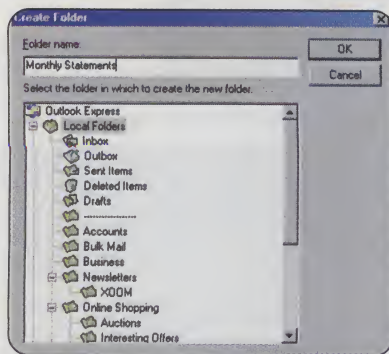
STORE MESSAGES BY FOLDERS

Most people leave all their messages in the in-box, which results in chaotic clutter. A better approach is to create folders in which you can file at least some of the messages you'd like to save. You may wish to create separate folders for work-related messages, personal messages, or messages from certain people.

To create a new folder, select New Folder from the File menu, then enter a name for your new folder. Outlook Express will create the new



Set Outlook Express to update your address book automatically with the addresses of people you respond to.



The Create Folder dialog lets you designate your new folder as a subfolder of any other.

Tip: Moving saved messages to folders is just one part of keeping your message stash tidy. Deleted messages end up in the Deleted Items folder (unless you hold down the Shift key when you delete them), so remember to empty it from time to time. Because every message you write gets saved in the Sent Items folder, you may want to go through this folder occasionally, too, deleting messages you don't need to save. To complete the job of reclaiming lost space, select File > Folder > Compact All Folders.

SORT INCOMING MAIL AUTOMATICALLY

Outlook Express allows you to create mail rules sometimes called "filters," that can automatically deal with messages before you even see them. These rules let you identify messages by sender, subject, or words in the body, and have them either forwarded, deleted, or moved to a particular folder. This allows you to receive messages from friends in your Personal file, and those from business contacts in your Work file, and to move unwanted messages to the trash.

One handy use of message rules is getting rid of spam, or at least moving it out of your in-box into its own folder—say, Bulk Mail. Create the Bulk Mail folder as outlined above, and then select Tools > Message

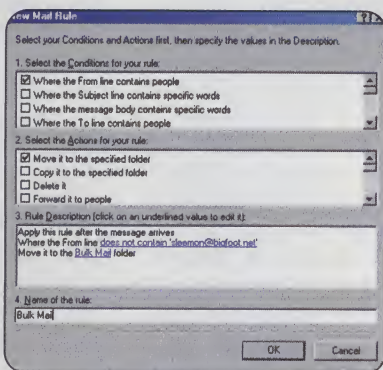
Rules > Mail. If no rules

are defined, this takes you to the New Mail Rule dialog. From the list marked "Select the Conditions for your rule," choose "Where the To line contains people." Then, from the list marked "Select the Actions for your rule," check the box marked "Move it to the specified folder." To set the e-mail address to check, click on the phrase "contains people," type in your e-mail address, and select Add. Because most spam is not addressed directly to you (usually, these messages are addressed to mailing list of some sort), we want to screen messages that aren't addressed to you. Select Options and click on the radio button marked "Message does not contain the people below." Next, click on the word "specified" in the phrase "Move it to the specified folder" and select Bulk Mail from the folder list. Finally, name the rule "Bulk Mail" in box 4, and select OK. Your new rule will now be applied to all incoming messages.

You can also apply rules to sort existing messages. Select Message

folder within the folder that is selected, so make sure Local Folders is highlighted when you begin if you want to create a top-level folder.

To move one or more messages from the in-box to a folder, drag the selected messages from the Message pane to the appropriate listing in the Folder pane. You can also move messages by right-clicking on the selected messages and choosing "Move to Folder..." from the menu that appears.



The New Mail Rule dialog provides a flexible means of sorting your mail automatically.

Rules > Mail from the Tools menu, select the rule Bulk Mail, and click Apply Now to move messages that aren't addressed to you into the Bulk Mail folder.

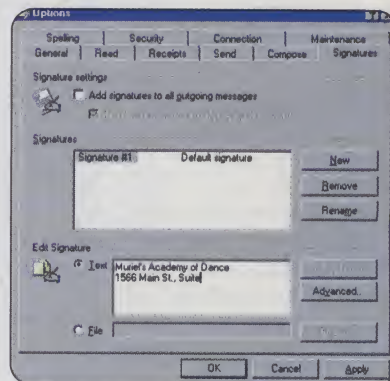
There are some shortcuts for creating rules. Let's say a sender bombards you daily with unsolicited ads. Simply highlight one of the messages and select Block Sender from the Messages menu. This not only suppresses future messages from this sender, but will also allow you to delete any such messages currently in your in-box.

Tip: Use rules with caution to avoid deleting messages you may actually want. For example, if you set a rule to delete any message with "XXX" in the subject line, it will delete a message with the subject "You've won a trip to Super Bowl XXXVI." Note also that rules are applied in the order in which they are listed, so move rules that save messages to the top of the list, and rules that delete messages to the bottom.

ADD A SIGNATURE

To add your name, contact information, or even a catchy phrase at the end of each of message, go to Tools > Options > Signature. Then click the New button and enter the text you wish to be assigned to the default signature. You can change the name of the signature from "Signature #1" to something else, if you like. You can also have the signature added to each message automatically—you can always delete it from any given message, as with any other text—or add it manually. To add your signature manually, compose your message as usual, and when the cursor is within the message body, choose Insert > Signature.

Tip: To define additional signatures, simply repeat the steps you



Define a signature to be appended to some or all e-mail messages.

SPECIAL DELIVERY

Thanks to some inventive—and free—Web-based services, e-mail can take you places the postmaster general never dreamed of. Here are just some of the advanced services available.

Forwarding your mail: Most people get mail through their Internet provider, so when they switch providers, their e-mail address changes. To avoid this, sign up for a free "permanent" e-mail address that you can use to forward your e-mail to your current address. Several free e-mail services, such as Bigfoot.com (www.bigfoot.com) and Mail.com (www.mail.com), provide e-mail forwarding.

Send and receive e-mail by phone: Voice services are the latest twist on e-mail. Services such as Shoutmail.com (www.shoutmail.com) allow you to send voice e-mail by telephone (the receiving PC uses RealPlayer to play the message), and to call a phone number to have your e-mail read to you. Yahoo by Phone (phone.yahoo.com) also provides e-mail-by-phone services.

Secure e-mail: For a truly private Web-based e-mail solution at the office, try HushMail (www.hushmail.com). The service makes it easy to swap encrypted e-mail with other HushMail users, and even provides security when communicating with people who don't use HushMail.

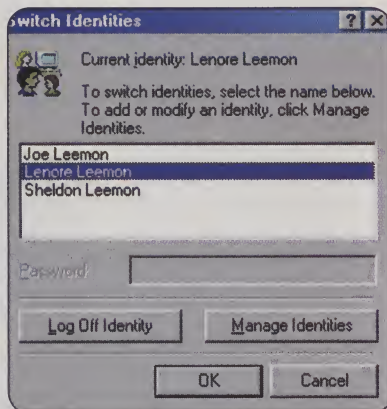
used to create the first, and assign each signature a distinctive name. When you choose Insert > Signature, Outlook Express will then let you choose which signature to insert.

MANAGE MULTIPLE ACCOUNTS

Outlook Express gives you two ways to manage multiple e-mail accounts: defining multiple accounts within a single user profile, called an "identity," or defining multiple identities.

To add an e-mail account to the current identity, select Tools > Accounts. When you see the list of mail accounts, click on Add Mail to start the Internet Connection wizard. This leads you step-by-step through the process of specifying your name, the e-mail address you wish to add, and the type of mail service. If you have multiple e-mail accounts with your ISP, Outlook Express will load all messages into the same in-box and Sent folders. With a Hotmail account, you have the option of importing separate folders.

Using separate identities lets you view the messages for different accounts separately. Of course, you can also use this feature to separate identities for each member of your household. Select Identities > Add New Identity from the File menu, and type in a name for your new identity. Once you establish the identity, you'll be led through the same Internet Connection wizard dialog as when you add a new mail account to an existing identity. To switch from one identity to the next, select Switch Identities from the File menu.



Outlook Express makes it easy to create separate mail identities for each family member, and to switch from one identity to another.

WORK, THEN PLAY

Looking for more information and troubleshooting advice on Outlook Express? One place to check is Microsoft's vast site (www.microsoft.com). Simply search for "Outlook Express," and you'll find information about updates, as well as access to Microsoft's technical notes.

You can find a wealth of tips, how-tos, and walk-throughs at ZDNet's Help & How-To page (www.zdnet.com/zdhelp). CNET's Help.com site (www.help.com) also has a great collection of Outlook Express tips and tricks. (ZDNet and CNET are owned by CNET Networks, Computer Shopper's parent company.)

If you just want to have more fun with your e-mail, About.com (www.about.com) has a good list of places to find stationery to dress up messages. (Type in the words "Outlook Express stationery" in About.com's search field.) Of particular interest is the CloudEight Stationery Library (www.thundercloud.net/stationery).

How about a new sound to replace Windows' drab default new-mail notification? If you'd rather hear Worf from *Star Trek: The Next Generation* say, "Captain, incoming message," or the classic "Woop, woop, mail's in!" from *The Addams Family*, check out WAV Place (wavplace.efront.com/mail.htm) and G-Man E-Mail Sounds (www.greyzck.com/email).

AUTOMATICALLY CORRECT SPELLING

If your spelling isn't so hot, let Outlook Express spell-check your messages automatically. To give it a try, go to Tools > Options > Spelling, and select "Always check spelling before sending." After you click Send, the program will automatically run your message through spell-check, presenting you with any misspellings it finds and suggestions to correct the mistakes.

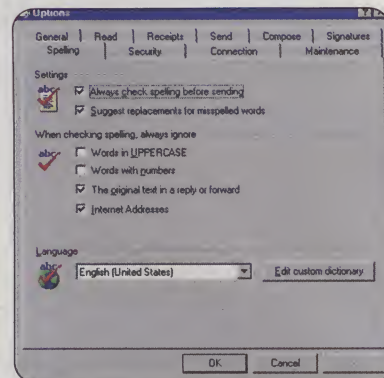
UPDATE FOR SECURITY

Largely because of its ubiquity, Outlook Express is a particularly tempting target for those devilish souls who design viruses or otherwise probe for security vulnerabilities. Microsoft periodically issues software updates to close the gaps, and it's worthwhile to keep up with these.

Select the Windows Update item from the Start menu, and Internet Explorer loads the Windows Update page (windowsupdate.microsoft.com). Click the Product Updates link. The site will install Active Setup if it hasn't already been installed, and the program will check your system to see what updates are needed. The resulting updates will appear on the Select Software page. The section marked Critical Updates, which contains the security patches, will be selected for you. Simply click on the Download button to automatically load and install these patches.

Tip: These security updates will help, but they aren't a panacea. Make sure you keep your virus checker up to date. One simple security tactic is to never open an e-mail attachment unless you know exactly where it comes from and what it contains. Many e-mail viruses appear as attachments from unknown senders. ▼

TUNE-UP



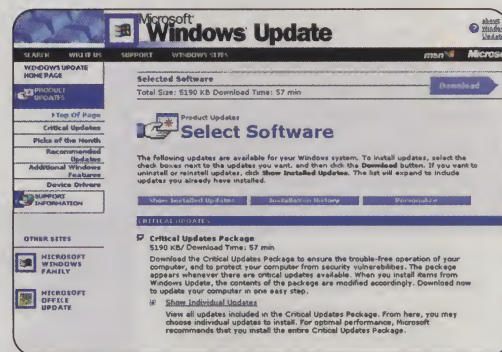
You can set Outlook Express to spell-check your messages before they are sent.

Postal Workers

4 ESSENTIAL ZDNET DOWNLOADS

- e-Backup**
Back up your Outlook Express information.
- IncrediMail 2001**
Make your mail multimedia.
- Mailbag Assistant**
Find, organize, and archive your e-mail.
- SpamKiller**
Filter spam automatically.

DOWNLOAD THEM NOW FROM computershopper.zdnet.com/downloads



Use Microsoft's Windows Update to install critical security updates.

**Black Components Accessories Cases Computers Storage Input Devices Memory
Monitors Motherboards Networking Printers Processors Scanners Video Cards Software**

**We Stock Thousands of
Computer Products!**

CD-RW Drives

	Beige	Black
8x8x32 IDE Pacific Digital U-30102	\$124	\$174
10x4x32 IDE HP SureStore 9340I	\$152	\$202
12x8x32 IDE Acer CDRW1208A	\$146	\$196
12x8x32 IDE HP SureStore 9500I	\$190	\$240
12x10x32 IDE Lite-On LITE1210	\$149	\$199
12x10x32 IDE Teac CDW512E	\$180	\$230
12x10x32 IDE Creative Labs CDB121032	\$149	\$199
12x10x32 IDE Plextor PX-W1210TA/SW	\$225	\$275
16x10x40 IDE Pacific Digital U-30099	\$209	\$259
16x10x40 IDE Yamaha CRW2100EZ	\$240	\$290
16x10x40 IDE Plextor PXW1610TA	\$249	\$299
8x8x24 SCSI Pacific Digital U-30091	\$189	\$239
8x8x24 SCSI Yamaha CRW8824SZ	\$220	\$270
10x4x32 SCSI Sony SpressaCRX145SC	\$259	\$309
12x8x32 SCSI HP SureStore HP9600SI	\$279	\$329
12x10x32 SCSI Plextor PXW1210TS/SW	\$299	\$349
16x10x40 SCSI Yamaha CRW2100SZ	\$289	\$339

For ThorTek SCSI External add \$60

DVD Drives

	(add \$25 for black)
Lite On IDE 12X DVD / 40X CD ROM LTD122	\$69
Toshiba IDE 16X DVD / 48X CD ROM SDM1502	\$79
Pioneer IDE 16X DVD / 40X CD ROM Tray DVD116	\$85
Pioneer IDE 16X DVD / 40X CD ROM Slot DVD106	\$85
Creative Labs IDE 12X DVD / 40X CD ROM OVATION12X\$95	
Creative Labs IDE 12X Complete Kit ENCORE12X\$145	
Pioneer SCSI 10X DVD / 40X CD ROM DVD304S	\$145
Addonics 8X/24X USB\$299/CardBus\$309/FireWire\$349	
Amacom PCMCIA 5X DVD / 24X BABYDVD	\$289

CD ROM Drives

	For ThorTek USB External add \$79	Beige	Black
52X IDE LiteOn	LTN525	\$39	\$64
52X IDE Creative Labs	BLASTER52X	\$44	\$69
56X IDE Acer	CD656A	\$45	\$70
40X SCSI Plextor	PX40TSI	\$89	\$114

Motherboards

SOCKET A (Tbird) 1.2Ghz 266FSB CPU & Chrome ORB \$285			
ABIT	KT7	\$145	KT7 RAID \$159
	KT7A100	\$169	
ASUS	A7PRO	\$129	A7V \$155
	A7V133	\$165	A7M266 \$169
FIC	AD11	\$185	AZ11 \$85
GIGABYTE	GA72X	\$129	GA7DX \$195
IWILL	KA266	\$159	KA266RAID \$179
	KK266	\$129	KK266RAID \$155
	KV200	\$119	KV200RAID \$145
SOCKET 370 (Flip Chip/Celeron)			
ABIT	VP6	\$165	VL6 \$89
	SE6	\$135	BX133RAID \$125
	SA6R	\$159	
Asus	CUSL2-C	\$139	CUV4X \$115
	CUSL2	\$155	CUBX \$125
	CURDLS	\$689	
SuperMicro	370DL3	\$549	370DLE \$349
	370SSA	\$145	370SSM \$115
IWILL	WO2	\$115	WO2RAID \$145
	VX133	\$99	VA133P \$86
SOCKET 423 (Pentium 4)			
ASUS	P4T	\$265	GIGABYTE GA-8TX \$229
INTEL	D850GB	\$215	BOX850GBAL \$235
SUPERMICRO	P4-STA	\$259	

SCSI Hard Drives

External add \$99		SCA versions also available.	
QUANTUM			
9.1GB	7200rpm	QM309100XCLW 4mb	\$187
9.2GB	10,000rpm	QM309200TYLW 8mb	\$220
18.4GB	7200rpm	QM318400XCLW 4mb	\$280
18.4GB	10,000rpm	QM318400TYLW 8mb	\$315
36.7GB	7,200rpm	QM336700XCLW 4mb	\$475
36.7GB	10,000rpm	QM336700TYLW 8mb	\$520
73.4GB	10,000rpm	QM373400TYLW 8mb	\$973
SEAGATE			
9.2GB	7200rpm	ST39216N or W 2mb	\$209
9.2GB	7200rpm	ST39236LW 2mb	\$209
9.2GB	10,022rpm	ST39205LW 4mb	\$230
18.4GB	7200rpm	ST318416N or W 2mb	\$280
18.4GB	7200rpm	ST318437LW 2mb	\$279
18.4GB	10,022rpm	ST318405W 4mb	\$325
18.4GB	15,000rpm	ST318451LW 4mb	\$385
36.7GB	7200rpm	ST336737LW 4mb	\$447
36.7GB	10,022rpm	ST336705LW 4mb	\$535
73.4GB	10,022rpm	ST173404LW 4mb	\$914
181.6GB	7200rpm	ST1181677LW 4mb	\$1099
IBM			
9.1GB	7200rpm	07N3120 4mb	\$220
9.1GB	10,000rpm	07N3220 4mb	\$230
18.2GB	7200rpm	07N3110 4mb	\$320
18.3GB	10,000rpm	07N3210 4mb	\$335
36.4GB	7200rpm	07N3100 4mb	\$536
36.9GB	10,000rpm	07N3200 4mb	\$536

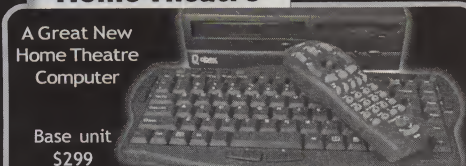
Black Components

COMPUTER CASES	
Antec Mid ATX 250W Desktop 7 bay case	\$99
MidATX case HYDRAULIC FACE 250W/300W	\$89/119
Full ATX case HYDRAULIC FACE 300W	\$139
Fong Kai Super Mid Tower ATX 300W	\$119
Explorer III Mid ATX 7 Bay computer case	\$89
MONITORS	
Princeton 15" FST 1280 x 1024 - .27	\$179
Princeton 17" 1280 x 1024 - .27	\$229
Viewsonic 17" 1280 x 1024 - .23 G70MB	\$259
Viewsonic 19" 1600 x 1200 - .22 G90MB	\$399
Viewsonic 19" 1600 x 1200 - .22 E790B	\$359
AG Neovo 15" LCD w/spk 1024 x 768 - .29 M15	\$759
AG Neovo 15" LCD 1024 x 768 - .29 S15	\$825
AG Neovo 15" LCD touch screen 1024x768 - .29 S15T	\$1285
REMOVABLE DRIVES	
Mitsumi 1.44mb Floppy	\$19
Teac or Sony 1.44mb Floppy	\$25
LS120 120mb Removable Media Drive	\$119
lomega 100MB Zip IDE	\$129
lomega 250MB Zip IDE	\$159
SPEAKERS	
Klipsch	
ProMedia 2.1, 3 Piece, 200 Watts, THX	\$199
ProMedia 4.1, 5 Piece, 400 Watts, THX	\$299
ProMedia 4.2, 6 Piece, 400 Watts, THX	\$399
Altec Lansing	
ACS54, 5 Piece, for gamers, 40 Watts	\$65
ATP3, 3 Piece, Thin Profile, 30 Watts	\$85
ACS56, 5 Piece, Digital, 35 Watts total	\$99
ATP5, 5 Piece, Surround Sound, 80 Watts total	\$155
Creative Labs	
CSW1500, 4 point surround, 53 Watts	\$130
DTT2200, 6 Piece, Desk Theatre 5.1, 42W	\$115
FPS2000, 2 Pc, Playwork Digital Dolby, 22W	\$175
DTT2500, 6 Pc, Desktop Theatre, Dolby, 42W	\$215
DTT3500, 6 Piece, Desk Theatre, 5.1, 65W	\$259
Sonigistix Monsoon Flat Panel Speakers	
MM500, 3 Piece, 51 Watts	\$80
MM1000, 3 Piece, 50 Watts	\$157

IDE Hard Drives

QUANTUM			
10GB	4500rpm	QMP10000LD	\$90
10.2GB	7200rpm	QMP10000AS	\$95
20GB	4500rpm	QML20000LD	\$102
20.5GB	7200rpm	QMP20000AS	\$113
30GB	4500rpm	QML30000LD	\$113
30GB	7200rpm	QMP30000AS	\$135
40GB	4500rpm	QML40000LD	\$127
40GB	7200rpm	QMP40000AS	\$155
60GB	7200rpm	QMP60000AS	\$243
SEAGATE			
10GB	5400rpm	ST310211A	\$93
20GB	5400rpm	ST320413A	\$98
20GB	7200rpm	ST320414A	\$108
30GB	5400rpm	ST330621A	\$115
30GB	7200rpm	ST330620A	\$139
40GB	5400rpm	ST340823A	\$135
40GB	7200rpm	ST340824A	\$169
IBM			
15GB	7200rpm	07N5637	\$110
20GB	5400rpm	07N3924	\$108
20GB	7200rpm	07N5638	\$129
30GB	5400rpm	07N3925	\$119
30GB	7200rpm	07N3929	\$150
40GB	5400rpm	07N3926	\$136
45GB	7200rpm	07N3931	\$179
60GB	7200rpm	07N3933	\$255
75GB	7200rpm	07N3935	\$335
MAXTOR			
10GB	5400rpm	2R010H1	\$92
10.2GB	7200rpm	5T010H1	\$103
15GB	5400rpm	2R015H1	\$98
20.4GB	5400rpm	32049H	\$108
20.4GB	7200rpm	5T020H2	\$121
30.7GB	5400rpm	33073H	\$120
30.7GB	7200rpm	5T030H3	\$138
40GB	7200rpm	5T040H	\$168
60GB	7200rpm	5T060H6	\$242
61.4GB	5400rpm	96147H	\$210
81.9GB	5400rpm	98196H	\$285
SAMSUNG			
40.8GB	5400rpm	SV4084H	\$130
IDE Accessories			
Promise PCI Ultra-100 controller			\$45
IWILL PCI Ultra 100 RAID Controller			\$79
External enclosures for IDE drives (assembly avail)			
Parallel \$84	USB \$84	Fire Wire \$144	
2.5" IDE for Laptops			
6GB	Toshiba	9.5mm MK6015MAT	\$125
10GB	Hitachi	9.5mm DK23BA10	\$146
10GB	Toshiba	9.5mm HDD2152	\$150
20GB	Hitachi	9.5mm DK23BA20	\$192
20GB	IBM	9.5mm 07N4388	\$195
30GB	IBM	12.5mm 07N4392	\$384

Home Theatre



Perfect size & color to stack with A/V components. Allows you to browse the web, get email, play DVD movies, play PC games, Karaoke, and more on your TV. This is a full function PC that will also work on an SVGA monitor. Includes a very nice wireless keyboard and a cool remote that allows many PC functions in a traditional A/V style remote. Features built in DVD drive, 1.4mb floppy, gameport, 56k modem, 10/100M Ethernet, USB, & S-Video out. Base unit with PIII 850Mhz Processor, 128MB RAM, 45GB 7200rpm Hard Drive, Windows ME \$859

HOT Sellers

Mag 800V 19" FST Monitor 1600x1200 .22	\$309
Epson 870 Stylus Photo Printer 1440x720dpi	\$169
ATI All In Wonder Radeon 32MB DDR 4x AGP Retail	\$269
Elsa Gladiac Ultra 64MB DDR GeForce 2 4x AGP	\$369
Creative Labs Sound Blaster Platinum 5.1 Sound	\$175
Maxtor 80GB External FireWire Hard Drive	\$369
lomega Predator External 4x4x6 CDRW USB	\$249

**ThorTek Corp. 2800A West Main
League City, TX 77573
Mon-Fri 8am-7pm Sat 9am-4p CST
FAX (281)557-1426 Local (281)557-8336**

Prices subject to change without notice. Shipping charges are non refundable. Returns may be subject to restocking fee. Products are covered by manufacturers warranty only.

501CS



ALFRED POOR'S

computer cures

ALFRED POOR

DISABLING DUST

Dear Alfred:

I've had my computer for 14 months, and I'm already on my third cooling fan. There is so much dust here in southern Arizona that it gets into the fan and burns out the ball bearings. Once I replace my ailing fan and heat sink, is there a way to prevent dust from getting into the case without blocking airflow?

Brandon Hunt

To trap the dust, cut pieces of an air-conditioner filter and place them over the case's air louvers, whether there is a fan behind the louver or not. You also should consider paying extra for a fan with sealed bearings, which would be less susceptible to damage from the dust.

PROBLEMATIC POWER-DOWN

Dear Alfred:

My computer won't shut down all the way. Instead, it freezes with a black screen, and the only way to shut down completely is to use the power button. This causes ScanDisk to run every time I start up the computer again. How can I fix this?

Franklin Hollis

It's a good bet that the freeze-up is caused by a program running in the background. To determine which one is responsible, choose the Start button, select Run, then type **MSCONFIG** to launch the System Configuration utility. Go to the Startup tab and clear all the checkboxes except **SYSTRAY**. This will prevent just about everything from loading when the computer starts. Then reboot the computer, and try to shut down. If it shuts down okay, one of the programs that had been loading was the problem. At the Startup tab in the System Configuration utility, restore the check next to one program at a time, rebooting and shutting down after each, until the problem recurs. When it does, you'll know the last program you added is the culprit.

TRIED AND TRUE

Dear Alfred:

Should you always accept updates of programs that are installed on your computer? I

accepted the update of one program and had nothing but problems; when I returned to an older version, the problems went away.

Rick Strauss

I suspect that many people figure newer is always better. Not so. My rule of thumb is: Don't upgrade any program (including Windows) without a compelling reason to do so. Go for it if the new version fixes a problem that you care about, if it adds a useful feature, or if support for your version is no longer available. And be wary of beta versions, unless you want to be a volunteer quality-control tester.

Should you decide to go ahead with the installation, be sure to back up everything first in case you need to return to your prior, working configuration.

tip of the month

CONSOLIDATE IT

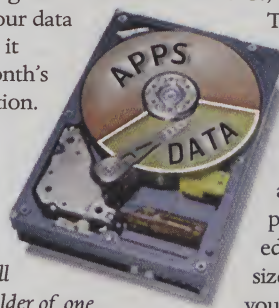
Let's face it: Backing up your data is like buying life insurance. Everyone knows it's a good idea, but all too often we just don't get around to actually doing it. If you're going to back up your data reliably, you need to make it quick and simple. This month's Tipster has a good suggestion.

Dear Alfred:

Set up your programs to save your data files in a different folder than the program's installed files. If all your stuff is stored in a subfolder of one common folder—such as **C:\My Documents**—it makes backing up far simpler and reinstallation of software less painful. Just copy that one folder and its subfolders, and you're done!

Jonathan Little

Program files rarely change once you've installed them, so there's no sense in backing them up all the time. That's why Jonathan's tip is so helpful: It makes it easy



to back up just the data files you need to protect the most.

My only addition is to consider creating a partition on your hard drive so you can have a second drive letter. Put Windows and all your programs on drive C:, and all your data on drive D:.

This way, you don't have to have all your folders organized under My Documents, making it easier to manage your files.

Send us your favorite tip, and you could receive a Tipster's prize package, including a coveted "Computer Cures" T-shirt (one size fits all) plus some other items you can't get anywhere else.

"Alfred Poor's Computer Cures"
Computer Shopper, Editorial Dept.
28 E. 28th St., 10th Fl.
New York, NY 10016-7922
computer_cures@znet.com

Please include your name. Due to the number of letters received, we cannot provide personal replies, nor return any enclosures.

SECTION CONTINUES ON PAGE 212

INTEL Store at Micro Pro

800-785-7324



MicroProGov
Contract #:
GS-35F-0448J
Check us out!



*Terminus 7807-PRO

2 Universal Serial Bus (USB) Ports
256MB 133MHz SDRAM Memory
61.4GB Ultra100 IDE Hard Drive
32MB nVIDIA GeForce-2 MX
AGP Graphics Card
16X IDE DVD-ROM Drive,
3.5" Floppy Drive
USR v.90 56K PCI WinModem
Creative Labs Sound Blaster Live! Value
Deluxe ATX Tower Case
Altec Lansing ACS-54 sound system
19" .26 N.I. Digital Monitor

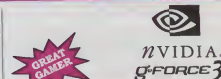
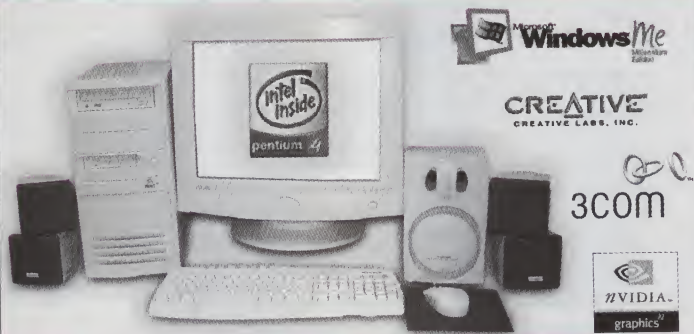


Intel®Pentium-III™

800MHz \$1299
866MHz \$1339
933MHz \$1369

1GHz
\$1399

*Business Lease as low as \$54.00



MINDSTROM G3

*G3-I300

1.5GHz Intel®Pentium-4™
\$2659

1.3 GHz
2379
1.4 GHz
2449

NEW! 1.5GHz Intel® Pentium-4 processor
Intel® 850 chipset w/400MHz FSB
256MB RDRAM (Rambus) Memory
80GB Ultra100 IDE Hard Drive
NEW! 64MB nVIDIA GeForce-3 AGP Card
16X IDE DVD-ROM Drive, 3.5" Floppy Drive
USR v.90 56K PCI WinModem
Sound Blaster! Live Platinum 5.1
Deluxe ATX Tower Case 300W P.S.
Creative Labs Desktop Theater 5.1 DTT2200
19" .26 N.I. Digital Monitor

*Business Lease as low as \$96.00

*Constellation 9200

1.4GHz Intel® Pentium-4 processor
Intel® 850 chipset w/400MHz FSB
256MB RDRAM (Rambus) Memory
60GB Ultra100 IDE 7200RPM Drive
64MB nVIDIA GeForce-2 MX AGP Card
16X IDE DVD-ROM Drive, 3.5" Floppy Drive
USR v.90 56K PCI WinModem
Creative Labs Sound Blaster! Live 5.1
Deluxe ATX Tower Case 300W P.S.
Altec Lansing ACS-54 sound system
19" .26 N.I. Digital Monitor



Intel®Pentium-4™

1.3GHz \$2089
1.5GHz \$2359

1.4GHz
\$2169

*Business Lease
as low as \$84.00

*Constellation 9140

1.3GHz Intel® Pentium-4 processor
Intel® 850 chipset w/400MHz FSB
128MB RDRAM (Rambus) Memory
40GB Ultra100 IDE 7200RPM Drive
32MB nVIDIA GeForce-2 MX AGP Card
12X IDE DVD-ROM Drive, 3.5" Floppy Drive
USR v.90 56K PCI WinModem
Creative Labs Sound Blaster! Live
Deluxe ATX Tower Case 300W P.S.
Altec Lansing ACS-45.2 sound system
17" .26 N.I. Digital Monitor



Intel®Pentium-4™

1.4GHz \$1599
1.5GHz \$1799

1.3GHz
\$1499

*Business Lease
as low as \$58.00

Intel® Pentium-4 Motherboards

intel® D850GB \$215

- Intel® i850 Chipset
- SUPPORT Single Socket 423 CPU
- (4) 184-pin RIMM (Rambus) Sockets
- ATX Format:

Intel®Pentium®4 Processor
1.3 GHz / 1.4 GHz 559/629
1.5 GHz 859

GA-8TX \$225

- Intel® i850 Chipset
- SUPPORT Single Socket 423 CPU
- Built-in Creative PCI Sound
- (4) 184-pin RIMM (Rambus) Sockets
- ATX Format: 12" x 9.6"

Intel®Pentium®4 Processor
1.3 GHz / 1.4 GHz / 1.5 GHz 579/659/879

ASUS® P4T \$245

- Intel® i850 Chipset
- SUPPORT Single Socket 423 CPU
- (4) 184-pin RIMM (Rambus) Sockets
- ATX Format:

Intel®Pentium®4 Processor
1.3 GHz / 1.4 GHz 599/679
1.5 GHz 899

SUPERMICRO® P4STA \$235

- Intel® i850 Chipset
- SUPPORT Single Socket 423 CPU
- (4) 184-pin RIMM (Rambus) Sockets
- ATX Format:

Intel®Pentium®4 Processor
1.3 GHz / 1.4 GHz 289/669
1.5 GHz 899

Intel® Pentium-III Motherboards

2505DNGR TYAN \$285

- SUPPORT DUAL FC-PGA Socket
- Built-in U1000 IDE RAID Controller
- Built-in VIDEO and DUAL Intel Lan Adp.
- ATX Form Factor: 12.0" x 9.6" 1GHz \$599

Intel®Pentium®III Processor
800/866/933MHz 499/529/559
SUPPORT DUAL PENTIUM-III 133FSB CPUs
(2) 800/866/933MHz 699/749/819
DUAL 1GHz 879

D6VAA ECS \$99

- SUPPORT DUAL FC-PGA Socket
- Built-in U1000 IDE RAID Controller
- (3) 168-pin DIMM sockets
- ATX Form Factor: 12.0" x 9.6" 1GHz \$399

Intel®Pentium®III Processor
800/866/933MHz 299/329/369
SUPPORT DUAL PENTIUM-III 133FSB CPUs
(2) 800/866/933MHz 499/549/629
DUAL 1GHz 689

VP6 ABIT \$165

- SUPPORT DUAL FC-PGA Socket
- Built-in U1000 IDE RAID Controller
- 133MHz FSB (Front System Bus)
- (4) 168-pin DIMM sockets
- ATX Form Factor:

Intel®Pentium®III Processor
800/866/933MHz 369/399/439
SUPPORT DUAL PENTIUM-III 133FSB CPUs
(2) 800/866/933MHz 569/629/699
DUAL 1GHz 759

370DLE SUPERMICRO® \$299

- ServerWorks ServerSet-III LE Chipset
- Support Dual Intel 370-pin FC-PGA P3 CPU
- 133/100MHz FSB
- Intel 82559 Ethernet Controller
- ATX size: 12.0" x 10.25" 1GHz \$599

Intel®Pentium®III Processor 133FSB
800/866/933MHz 499/539/569
SUPPORT DUAL PENTIUM-III 133FSB CPUs
DUAL (2) 800/866/933MHz 699/759
DUAL (2) 933MHz / 1GHz 829/899

370DL3 SUPERMICRO® \$479

- ServerWorks ServerSet-III LE Chipset
- Support Dual Intel 370-pin FC-PGA P3 CPU
- 133/100MHz FSB
- Adaptec Ultra160 SCSI on-board
- Intel 82559 Ethernet Controller
- ATX size: 12.0" x 10.25" 1GHz \$799

Intel®Pentium®III Processor 133FSB
800/866/933MHz 699/729/769
SUPPORT DUAL PENTIUM-III 133FSB CPUs
DUAL (2) 800/866/933MHz 899/959/1019
DUAL (2) 1GHz 1089

2507-D TIGER 230 TYAN \$145

- VIA Apollo Pro 133A Chipset
- SUPPORT DUAL FC-PGA Socket
- 133MHz FSB (Front System Bus)
- (4) 168-pin DIMM sockets
- ATX Form Factor: 12.0" x 9.6" 1GHz \$439

Intel®Pentium®III Processor
800/866MHz 349/379
933MHz 409
SUPPORT DUAL PENTIUM-III 133FSB CPUs
(2) 800/866/933MHz 549/599/669
DUAL 1GHz 739

CUV4X ASUS® \$115

- VIA 694x/694z Chipset
- SUPPORT Single FC-PGA CPU
- 133MHz FSB (Front System Bus)
- (3) 168-pin DIMM sockets
- ATX Form Factor: 12.0" x 8.2" 1GHz \$419

Intel®Pentium®III Processor 133FSB
800/866MHz 319/349
933MHz 389
Intel®Celeron® Processor with 128K Cache
700/733MHz 219/229
766/800MHz 269/299

D815EEAA intel® \$129

- New Intel® i815 "Solano" Chipset
- SUPPORT Single FC-PGA CPU
- 133MHz FSB (Front System Bus)
- (3) 168-pin DIMM sockets
- ATX Form Factor:

Intel®Pentium®III Processor 133FSB
800/866MHz 339/369
933MHz 399
Intel®Celeron® Processor with 128K Cache
700/733MHz 239/249
766/800MHz 279/319

Pentium® III XEON SUPERMICRO® \$309

- S2DGE XEON
- 700MHz Intel Pentium® III XEON w/1MB 1459
- 700MHz DUAL Pentium® III XEON w/1MB 2589

SUPERMICRO® \$489
S2DG-2 XEON
700MHz Intel Pentium® III XEON w/1MB 1629
700MHz DUAL Pentium® III XEON w/1MB 2769

Pentium® III XEON SUPERMICRO® \$579

- S2DL3 XEON
- 700MHz Intel Pentium® III XEON w/1MB 1699
- 1 GHz Intel Pentium® III XEON w/256K 1049
- 700MHz DUAL Pentium® III XEON w/1MB 2869
- 1 GHz DUAL Pentium® III XEON w/256K 1499

Microsoft OEM
System Builder
Program MEMBER 2001

Everything you need...to succeed

UNLIMITED TOLL FREE TECHNICAL SUPPORT 800.809.6483

Local & International • (216) 661-7218 • Fax: (216) 661-2454

HOURS: Mon-Fri 9 am-7 pm • Saturday 10 am-5pm (est)

MAY 2001 COMPUTER SHOPPER.
All prices subject to change without notice.
Previous Sales Excluded.



All prices and specifications are subject to change without notice. RMA Number required on all returns. RMA's shipped prepaid. All Products must be returned in resalable condition including all original packaging. Micro Pro Inc. is not responsible for typographical errors. Prior sales excluded. Shipping charges, opened software and custom configured systems are non-refundable. On-site service is a non-refundable option. Absolutely no refunds for merchandise returned after 30 days. The Intel Inside Logo, Intel, Pentium and OverDrive are trademarks or registered trademarks of Intel Corporation. Windows is a registered trademark of Microsoft Corporation in the U.S. and other countries. All products and company names are trademarks or registered trademarks of their respective owners.



AMD Store at Micro Pro

800-785-7324

GSA
Federal Supply Schedule

MicroProGov
Contract #
GS-35F-0448J
Check us out!

REGISTERED QUALITY SYSTEM
ISO
9002

*MICRO SYSTEMS INCLUDE:

- MS Windows ME & Internet Explorer 5.0
- 104-key PS/2 Keyboard & PS/2 Mouse
- McAfee Virus Scan for MS Windows
- COREL WordPerfect Suite2000, and 155 CD Titles w/Encyclopedia
- 3 YEARS Limited Parts & Labor Warranty

UPGRADE OPTIONS

USB Digital Video Camera	29
Imega 100MB ZIP Drive Int. IDE	45
Imega 250MB ZIP Drive Int. IDE	85
3COM 32-bit 10/100 Network Card	59
36-bit Color FlatBed USB Scanner	59
MS Office/2000 Small Business Edition	175
MS Office/2000 Professional Edition	299
MS Home Productivity Bundle	45

*Regata 7900MP

- 2 Universal Serial Bus (USB) Ports
- 60GB Ultra100 IDE Hard Drive
- 64MB nVIDIA GeForce-2 MX AGP Graphics Card
- 128MB DDR PC2100 266MHz Memory
- 16X IDE DVD-ROM Drive, 3.5" Floppy Drive
- USR v.90 56K PCI WinModem
- Creative Labs Sound Blaster Live! Value
- Deluxe ATX Tower Case
- Altec Lansing ACS-54 sound system
- 19" .26 N.I. Digital Monitor

AMD Athlon K-7 w/3DNOW Technology
1GHz \$1439 266MHz (FSB) 1.4GHz \$1459

1.2GHz \$1499 1.3GHz \$1529 **\$1599**

*Business Lease as low as \$61.00

*Regata 7700MP

- 2 Universal Serial Bus (USB) Ports
- 128MB 133MHz SDRAM Memory
- 40.9GB Ultra100 IDE Hard Drive
- 32MB nVIDIA GeForce-2 MX AGP Graphics Card
- 16X IDE DVD-ROM Drive, 3.5" Floppy Drive
- USR v.90 56K PCI WinModem
- Creative Labs Sound Blaster Live! Value
- Deluxe ATX Tower Case
- Altec Lansing ACS-54 sound system
- 17" .26 N.I. Digital Monitor

AMD Athlon K-7 w/3DNOW Technology
1GHz \$1099 1.1GHz \$1129 1.3GHz \$1159

1.2GHz \$1159 1.4GHz \$1249 **\$1199**

*Business Lease as low as \$45.00

*Caledon 7900MP

- 2 Universal Serial Bus (USB) Ports
- 64MB 100MHz SDRAM Memory
- 20.4GB Ultra66 IDE Hard Drive
- Integrated Savage4 2D/3D video Accelerator (shared video memory)
- 52X Max IDE CD-ROM Drive
- 3.5" Floppy Drive
- PCI 3D wavetable Stereo Sound
- 56K PCI v.90 Fax/Modem w/Voice
- Stereo Microphone and 240W Speakers
- Deluxe Micro ATX Tower Case
- 15" .28 N.I. Digital Monitor

AMD Duron K-7 w/3DNOW Technology
750MHz \$669 800MHz \$689 900MHz \$709

\$739

*Business Lease as low as \$45.00

MINDSTROM G3

*G3-A266

1.3GHz

AMD Athlon w/Enhanced 3DNOW Technology

\$2159

- 900MHz AMD Athlon K-7 1999
- 1 GHz AMD Athlon K-7 2079
- 1.2 GHz AMD Athlon K-7 2139
- 1.4 GHz AMD Athlon K-7 2199

- 256MB 133MHz SDRAM Memory
- 80.0GB Ultra100 IDE Hard Drive
- NEW! 64MB NVIDIA GeForce-3 AGP Graphics Card
- 16X IDE DVD-ROM Drive
- 3.5" Floppy Drive
- 12x10x32 CD-RW Internal IDE Drive
- USR v.90 56K PCI WinModem
- Creative Labs Sound Blaster Live Platinum 5.1
- Deluxe ATX Tower Case
- Creative Labs Desktop Theater 5.1 DTT2200
- 19" .26 NI Digital Monitor

AMD K7™ Motherboards

K7V-ZA

- Support Single AMD Socket A processor
- Built-in PCI Sound
- (1) AGP, (6) PCI, (1) ISA slots
- ATX Form Factor

AMD K7 Duron™	1.4GHz \$399
750MHz	149
800/850/900MHz	169/179/199
New AMD K7 Thunderbird™	
900MHz / 1GHz / 1.1 GHz	219/259/279
1.2GHz / 1.3 GHz	319/339

A7V133

- Support Single AMD Socket A processor
- (1) AGP, (4) PCI slots
- ATX Size: 9.6" x 12.0"

AMD K7 Duron™	1.4GHz \$469
750/800/850/900MHz	229/239/259/279
New AMD K7 Thunderbird™	
900MHz / 1 GHz / 1.1 GHz	289/339/359
1.2 GHz / 1.3 GHz	389/419

S2390 TRINITY

- Support Single AMD Socket A processor
- (1) AGP, (5) PCI, (1) ISA slots
- ATX Size: 8.2" x 12.0"

AMD K7 Duron™	
750MHz	179
800/850/900MHz	199/209/239
New AMD K7 Thunderbird™	
900MHz	259/289
1.1GHz	309

AZ-11E

- Support Single AMD Socket A processor
- Built-in PCI Sound
- (1) AGP, (5) PCI slots
- ATX Size: 9.6" x 12.0"

AMD K7 Duron™	1.4GHz \$409
750/800/850/900MHz	159/179/189/219
New AMD K7 Thunderbird™	
900MHz / 1 GHz / 1.1 GHz	239/279/299
1.2 GHz / 1.3 GHz	329/359

KT7A

- Support Single AMD Socket A processor
- (1) AGP, (6) PCI, (1) ISA slots
- ATX Size: 9.6" x 12.0"

AMD K7 Duron™	1.4GHz \$469
750MHz	219
800/850/900MHz	229/249/279
New AMD K7 Thunderbird™	
900MHz / 1 GHz / 1.1 GHz	289/329/349
1.2GHz / 1.3 GHz	389/409

KT7A RAID

- Support Single AMD Socket A processor
- (1) AGP, (6) PCI, (1) ISA slots
- ATX Size: 9.6" x 12.0"

AMD K7 Duron™	1.4GHz \$489
750/800/850/900MHz	239/259/279/299
New AMD K7 Thunderbird™	
900MHz	319
1 GHz / 1.1 GHz	349/379
1.2 GHz / 1.3 GHz	409/439

KK266

- Support Single AMD Socket A processor
- Hardware Sound Controller on-board
- (1) AGP, (6) PCI, (1) ISA slots
- ATX Size: 9.8" x 12.2"

AMD K7 Duron™	1.4GHz \$439
750/800/850/900MHz	199/209/229/249
New AMD K7 Thunderbird™	
900MHz / 1 GHz / 1.1 GHz	269/309/329
1.2 GHz / 1.3 GHz	369/389

KK266 RAID

- Support Single AMD Socket A processor
- Hardware Sound Controller on-board
- (1) AGP, (6) PCI, (1) ISA slots
- ATX Size: 9.8" x 12.2"

AMD K7 Duron™	1.4GHz \$459
750/800/850/900MHz	219/229/239/269
New AMD K7 Thunderbird™	
900MHz / 1 GHz / 1.1 GHz	289/329/349
1.2 GHz / 1.3 GHz	379/399

KA266

- Support Single AMD Socket A processor
- Hardware Sound Controller on-board
- (1) AGP, (5) PCI, (1) AMR slots
- ATX Size: 9.8" x 12.2"

AMD K7 Duron™	1.2GHz \$469
750/800/850/900MHz	219/239/249/279
New AMD K7 Thunderbird™	
900MHz / 1 GHz / 1.1 GHz	299/329/349
1.2 GHz / 1.3 GHz	389/419

KA266 RAID

- Support Single AMD Socket A processor
- Hardware Sound Controller on-board
- (1) AGP, (5) PCI, (1) AMR slots
- ATX Size: 9.8" x 12.2"

AMD K7 Duron™	1.4GHz \$489
750/800/850/900MHz	249/259/279/299
New AMD K7 Thunderbird™	
900MHz / 1 GHz / 1.1 GHz	319/359/379
1.2 GHz / 1.3 GHz	419/439

www.micropro.com

Microsoft® OEM
System Builder
Program — MEMBER 2001

Everything you need...to succeed

UNLIMITED TOLL FREE TECHNICAL SUPPORT 800.809.6483

Local & International • (216) 661-7218 • Fax: (216) 661-2454

HOURS: Mon-Fri 9 am-7 pm • Saturday 10 am-5pm (est)

MAY 2001 COMPUTER SHOPPER.
All prices subject to change without notice.
Previous Sales Excluded.



All prices and specifications are subject to change without notice. RMA Number required on all returns. RMA's shipped prepaid. All Products must be returned in resalable condition including all original packaging. Micro Pro Inc. is not responsible for typographical errors. Prior sales excluded. Shipping charges, opened software and custom configured systems are non-refundable. On-site service is a non-refundable option. Absolutely no refunds for merchandise returned after 30 days. The Intel Inside Logo, Intel, Pentium and Celeron are trademarks or registered trademarks of Intel Corporation. Windows is a registered trademark of Microsoft Corporation in the U.S. and other countries. All products and company names are trademarks or registered trademarks of their respective owners.



SERVERS

NetForce T866Xi



866MHz

Intel®Pentium-III™ processor

\$2599

*Business Lease as low as \$93.00

Intel® 866MHz Pentium-III processor
Intel® STL2 DUAL processor server board
Intel SC5000 Hudson server chassis
256MB 100MHz SDRAM Memory
27.3GB Three (3) 9.1GB Ultra-160 SCA SCSI HDs
ADAPTEC 2100S Raid 5 Controller 32MB RAM
40X Max SCSI CD-ROM, 3.5" Floppy Drive
Five Hot-Swap SCA SCSI drive bays
Integrated Dual Channel (1) Ultra-160
Intel® EtherExpress PRO/100+ LAN Controller
On-board PCI 2MB Video Adapter
External 56K v.90 Fax/Modem (for remote diagnostics)
104-key PS/2 Keyboard & PS/2 Mouse
3-year parts, 3-year on-site warranty
MS Windows 2000 Server (5-user), add \$799

NetForce ISP2900



1GHz

Intel®Pentium-III™ processor

\$1739

*Business Lease as low as \$68.00

Slim 1U 19" Rack optimized Server
SuperMicro SuperServer 6010L
Dual Processor Capable
128MB 133MHz ECC SDRAM Memory
9.1GB Ultra-160 SCSI Hard Drive
24X Max Slim EIDE CD-ROM, 3.5" Floppy Drive
Integrated DUAL NIC / Ultra-160 SCSI Controller
104-key PS/2 Keyboard & PS/2 Mouse
3-year parts, 3-year on-site warranty
MS Windows 2000 Server (5-user), add \$799

NetForce ISP2993



933MHz

Intel®Pentium-III™ processor

\$1359

*Business Lease as low as \$53.00

Slim 1U 19" Rack optimized Server
SuperMicro SuperServer 5010E
128MB 133MHz ECC SDRAM Memory
60.4GB IDE Hard Drive
24X Max Slim EIDE CD-ROM, 3.5" Floppy Drive
Integrated 2 10/100 NIC Cards
104-key PS/2 Keyboard & PS/2 Mouse
3-year parts, 3-year on-site warranty
MS Windows 2000 Server (5-user), add \$799

CPU'S

INTEL	
Intel®Celeron PPGA s370 processor	
700MHz Intel®Celeron w/128K cache	99
733MHz Intel®Celeron w/128K cache	119
766MHz Intel®Celeron w/128K cache	149
800MHz Intel®Celeron w/128K cache	189

Intel®Pentium™ III 133MHz FSB	
800MHz Pentium™ III processor 256K cache	199
866MHz Pentium™ III processor 256K cache	239
933MHz Pentium™ III processor 256K cache	269
1GHz Pentium™ III processor 256K cache	299

Intel®Pentium-4	
1.3GHz Pentium-4 processor	369
1.4GHz Pentium-4 processor	429
1.5GHz Pentium-4 processor	629
1.3GHz Retail Box w/128MB RDRAM	489
1.4GHz Retail Box w/128MB RDRAM	579
1.5GHz Retail Box w/128MB RDRAM	769

Intel®Pentium™ XEON processor	
700MHz Pentium™ III XEON w/1MB cache	1199
1 GHz Pentium™ III XEON w/1MB cache	559

AMD K7 with 3DNOW Technology	
Thunderbird K7™ 900MHz	145
Thunderbird K7™ 1 GHz	189
Thunderbird K7™ 1.1 GHz	209
Thunderbird K7™ 1.2 GHz	249
Thunderbird K7™ 1.3 GHz	269
Thunderbird K7™ 1.4 GHz	309

AMD Duron with 3DNOW Tech.	
Duron K7™ 750MHz	79
Duron K7™ 800MHz	89
Duron K7™ 850MHz	109
Duron K7™ 900MHz	139

HARD DRIVES

MAXTOR	
5400RPM - IDE Ultra 100 Drives	
20.4 GB Ultra 100 3.5" 9ms	99
30.7 GB Ultra 100 3.5" 9ms	109
40.9 GB Ultra 100 3.5" 9ms	129
61.4 GB Ultra 100 3.5" 9ms	179
81.4 GB Ultra 100 3.5" 7ms	259

7200RPM - IDE Ultra 100 Drives	
20.4 GB Ultra 100 3.5" 9ms	109
30.7 GB Ultra 100 3.5" 9ms	129
40.9 GB Ultra 100 3.5" 9ms	149
60.0 GB Ultra 100 3.5" 9ms	239

SEAGATE	
Ultra 160 (LVD) SCSI Drives	

9.1GB ST39236LW Barracuda XL 5.8ms 7200 RPM	189
18GB ST318436LW Barracuda XL 5.8ms 7200 RPM	249
9.1GB ST39204LW Cheetah XL 5.2ms 10K RPM	219
18GB ST318404LW Cheetah XL 5.2ms 10K RPM	289
36GB ST336704LW Cheetah XP 5.2ms 10K RPM	499
73GB ST173404LW Cheetah-73 5.6ms 10K RPM	929

15000RPM - Ultra 160 SCSI Drives	
18 GB ST318451LW Cheetah-X15 3.9ms 15K RPM	389

IBM

UltraStar 36LZX - Ultra 160 (LVD) SCSI Drives	
9.1 GB 07N3220 3.5", 4.9ms 10K RPM	209
18.2 GB 07N3210 3.5", 4.9ms 10K RPM	285
36.4 GB 07N3200 3.5", 4.9ms 10K RPM	479

MODEMS

PHOEBE	
56K V.90 ISA Internal Fax/Modem w/voice	39
56K V.90 PCI Internal Fax/Modem w/voice	25
56K V.90 External Fax/Modem w/voice	49
56K V.90 PCMCIA Fax/Modem	53
56K V.90 USB External Pocket Fax/Modem	49

USRobotics	
USR PCI V.90/56K F/M/V w/voice Internal Retail	109
USR PCI V.90/56K F/M w/o voice Internal Retail	89
USR External V.90/56K F/M w/o voice Retail	125
USR External USB V.90/56K F/M w/voice Retail	145
USR model 2976 PCI F/M/V voice Internal White Box	65
USR model 2977 PCI F/M voice Internal White Box	55
USR WinModem model 3594 PCI F/M/V voice Int	45
USR WinModem model 3595 PCI F/M Int	35

GRAPHICS ADAPTERS

SIS Video Cards	
SIS 3D 4MB EDO DRAM PCI	27
SIS 3D 8MB SDRAM AGP	35

ATI TECHNOLOGIES

All-in-Wonder RADEON 32MB (AGP)	
All-in-Wonder 128 16MB (AGP)	129
All-in-Wonder 128 PRO 32MB (AGP)	165
Rage Fury AGP 32MB (with TV OUT)	99
Rage Fury-MAXX AGP 64MB	129
RADEON DDR 32MB (AGP)	159
RADEON DDR 64MB (AGP)	199

GUILLEMOT	
MaxiGamer Cougar nVidia TNT-2 M64 32MB (AGP)	75
3D Prophet-II MX GeForce-2/MX 32MB (AGP)	85
3D Prophet-II MX TwinView GeForce-2/MX 32MB (AGP)	99
3D Prophet-II MX GeForce-2/MX 64MB (AGP)	109
3D Prophet-II MX TwinView GeForce-2/MX 64MB (AGP)	139
3D Prophet-II Pro DDR GeForce-2 Pro 64MB (AGP)	279
NVIDIA NV20 GeForce-3 64MB (AGP)	529

3D Prophet-II Ultra GeForce-2 Ultra 64MB (AGP)	
3D Prophet-II Ultra GeForce-2 Ultra 64MB (AGP)	449

MONITORS (3 YR WARRANTY)	
AOC 15" SVGA .28mm Digital NI	129
KDS VS-71 17" SVGA .27mm 1280x1024 NI	169
VS-195e 19" SVGA .26mm 1600x1280 NI	269
VS-21e 21" SVGA .26mm 1600x1280 NI	599
KDS S-3F 15" Flat Panel LCD	595
KDS L-2F 18" Flat Panel LCD	1765

NETWORKING

Phoebe NE2000 PCI 10/100Mbps 10Base-T	11
D-LINK DFE-530TX PCI 10/100Mbps 10Base-T	18
Intel EtherExpress Pro 100 PCI 10Base-T	49
3Com 3c905B-TXNM PCI 10/100 Retail Pkg.	85
3Com 3c905C-TXM w/wake PCI 10/100 Retail Pkg.	99
Phoebe 9-port 10Mbps network hub	30
Phoebe 18-port 10Mbps network hub	59
Phoebe 8-port 10/100Mbps dual speed network hub	69
Phoebe 16-port 10/100Mbps dual speed network hub	99

MULTIMEDIA DRIVES

CD-ROM DRIVES

56X Internal IDE	39
------------------	----

CD-ROM (INTERNAL) RECORDABLES/REWRITEABLES

PLEXTOR	
16X/10X/40X CD-RW, IDE Retail Package	249
HP 9340i 10X/40X/32X CD-RW, IDE Retail Package	155
HP 9500i 12X/8X/32X CD-RW, IDE Retail Package	189
HP 9600Si 12X/8X/32X CDR-W, SCSI Retail Package	275
Plextor 12X/10X/32X CDR-W, SCSI Retail Package	219

DVD CD-ROM

3rd Generation BrandName 12X Internal Drive IDE	69
3rd Generation BrandName 16X Internal Drive IDE	85

DIGITAL VIDEO

KODAK	
DC3200 1MPX 2MB	199
DC3400 2MPX 8MB	335
DC3800 200M 2.1MPX 2xDIGITZOOM	409
DC4800 200M 3.1MPX 16MB	539
DC5000 2X ZOOM 2MPX 8MB	539
CREATIVE	
Videoblaster Webcam-3 USB Still Camera	39

Videoblaster Webcam-Go Plus Still Camera	
Videoblaster Webcam-Go Plus Still Camera	129

PHOEBE

Videocat USB Still Camera	29
---------------------------	----

FLOPPY DRIVES

MITSUMI	
1.44MB, 3.5"	14
TEAC	
1.44MB, 3.5"	17

CASES

AT TYPE CASES	
Mini Tower w/230W PS	25
Mini-Mid w/230W PS	29
230W Power Supply	22
250W Power Supply	29

IN-WIN ATX TYPE CASES	
ATX Mid Tower w/230W PS	54
ATX Full Tower w/230W PS	85
ATX Server Tower w/300W PS	109
MicroATX Mini Tower w/135W PS	47
MicroATX Desktop w/135W PS	45

ENLIGHT DELUXE CASES	
Mini Tower w/230W PS AT	36
Desktop w/230W PS AT	39
Mid Tower w/230W PS AT	49

SUPERMICRO CASES	
SC 730-A Mid Tower ATX	79
SC 760-A Server Tower ATX	139
SC 830-AX Server Tower	549
2x300W Redundant P.S. ATX	

RACKMOUNT CASES	
19" 4U 4bay 300W P.S. ATX	199
19" 4U 5bay 2x300W mini Redundant P.S. ATX	469

MAY 2001 COMPUTER SHOPPER

KEYBOARDS / MICE

105 Key Windows Enhanced AT or PS/2	9
124 Key Ez-key Multimedia/Internet PS/2	19
FOCUS 2001 (w/dust cover) PS/2	23
FOCUS 8200 (programmable & built-in calculator) PS/2	37
FOCUS 9200 (programmable/built-in calculator/trackball)	39
Microsoft Internet Keyboard	29
Microsoft Intellimouse PS/2	25
Logitech FirstMouse with Wheel PS/2	21
Logitech Trackman Marble Plus Trackball PS/2	34

TAPE BACKUPS & REMOVEABLES

SEAGATE	
8.0 GB STT28000A-RFT IDE (retail) with tape	179
8.0 GB STT28000N-RFT SCSI (retail) with tape	209
20.0 GB STT220000A-RFT IDE (retail) with tape	239
20.0 GB STT220000N-RFT SCSI (retail) with tape	289
8.0 GB Travan formatted tape	25
20.0 GB Travan formatted tape	38
OMEGA	
100MB ZIP Drive, EIDE, Internal	49
250MB ZIP Drive, EIDE, Internal	85
250MB ZIP Drive, External printer port	139
100MB Blank ZIP Media	9
250MB Blank ZIP Media	17

SOUND BOARDS

CREATIVE LABS	
Sound Blaster 512 PCI nP Retail Package	62

Sound Blaster Live!	
PLATINUM 5.1 RETAIL PACKAGE	175

UPGRADE KITS

3D Full Duplex Stereo Sound Card, 80w Stereo Speakers, 155 CD Titles with Encyclopedia & Stereo Microphone	
56X CD-ROM IDE	65

MEMORY

PC100 / 133 SDRAM (Lifetime Warranty)	
32MB 100/133MHz SDRAM, 7/8ns	CALL
64MB 100/133MHz SDRAM, 7/8ns	for latest pricing
128MB 100/133MHz SDRAM, 7/8ns	for latest pricing
256MB 100/133MHz SDRAM, 7/8ns	for latest pricing
RAMBUS (Lifetime Warranty)	
64MB RDRAM 700MHz	CALL
128MB RDRAM 700MHz	for latest pricing
64MB RDRAM 800MHz	for latest pricing
128MB RDRAM 800MHz	for latest pricing
DDR (Lifetime Warranty)	
64MB RDRAM 700MHz	CALL
128MB RDRAM 700MHz	for latest pricing
256MB RDRAM 700MHz	for latest pricing



Memory4LessCom

HOT DEALS ARE WAITING FOR YOU VOLUME 1 SECTION A
Memory Times CIRCULATION IN THE MILLIONS
MEMORY4LESS INCREDIBLE LAUNCHES WEBSITE
 NOW CARRYING...
 HOT DEALS ARE WAITING FOR YOU TODAY 1/31, 2000

Memory4Less HOME LOGON CONTACT US SUPPORT TOP SELLERS NEW PRODUCTS HELP? 800.821.3354

HARDWARE SOFTWARE SUPPLIES CLEARANCE BY BRAND

MEMORY CPUs HARD DRIVES MOTHERBOARDS BATTERIES

MORE than memory

Keyword Search:

CATEGORIES

- Batteries
- CPUs
- Hard Drives
- Memory
- Motherboards

Computer Store

- Accessories
- Books
- Cameras
- Communications
- Components
- Computer Systems
- Input Devices
- Media
- Memory
- Memory Other
- Multimedia
- Networking
- PDA's & Handhelds
- Printers
- Scanners
- Software
- Speakers
- System Units
- Video
- Webcams

YOU ARE HERE ► Home Page

Welcome to the new MEMORY4LESS.COM

Looking for an Upgrade or Accessory?
 Use Our Online Memory Configurator!
 Select the Mfr of the system you own:

3Com

or Model Keyword search on your system:
 (i.e. iMac, Presario 5000, etc...)

Since 1986, we have been providing our customers with quality memory products with a commitment to customer service and competitive prices. We now offer the most comprehensive selection of memory upgrades for your online memory Configurator, together with a complete selection of Computer Memory and CPUs. We have expanded our product line further to help you find you a single trusted source for all your procurement needs.

HOT BUYS

Want to get Product Specials via Email?

me@bome.com

Enter your email address

TODAY'S SPECIALS

AMD Athlon Thunderbird
 950MHz 256K L2 Cache OEM -
 \$416.24

AMD Athlon Thunderbird
 1000MHz 256K L2 Cache OEM
 - \$482.79

AMD K7 Athlon 1000MHz 512K
 L2 Cache OEM - \$493.85

Intel PIII-Xeon 700 1MB Cache
 100MHz OEM - \$1,695.75

Intel PIII-Xeon 550 2MB Cache
 133MHz OEM - \$2,975.00

72PIN SIMM Nonparity EDO

SDRAM MODULES PC-133

SIZE	NON-ECC	ECC	Registered ECC
128 MB	64x72	64x72	64x72
64 MB	32x72	32x72	32x72
32 MB	16x72	16x72	16x72

SDRAM MODULES PC-100

SIZE	NON-ECC	ECC	Registered ECC
512 MB	64x72	64x72	64x72
256 MB	32x72	32x72	32x72
128 MB	16x72	16x72	16x72
64 MB	8x72	8x72	8x72
32 MB	4x72	4x72	4x72

SDRAM MODULES PC-66

SIZE	NON-ECC	ECC	Registered ECC
128 MB	64x72	64x72	64x72
64 MB	32x72	32x72	32x72
32 MB	16x72	16x72	16x72

Featuring Our New Generic Memory Selector

Featuring the most comprehensive online memory configurator for Notebooks, Desktops, PDA's, Printers, Cameras, Servers & Motherboards.

CONTACT US SUPPORT TOP SELLERS

SOFTWARE SUPPLIES CLEARANCE

CPUs HARD DRIVES MOTHERBOARDS

YOU ARE HERE ► Home Page -> Batteries

Battery Configurator will help you find the right battery for your equipment

Please select the manufacture and model of your machine?:

Acer
 Agia
 AHS Tech
 Apple
 AST

Online Battery Configurator

Generic Drive Selection Below - Hot Offers

PartNo	Description	Price
DM51024U3	MAXTOR 10.0GB UAGS	\$102.85
WD1153AA	WESTERN DIGITAL 15.3 UAGS	\$119.74
WD1153BA	WESTERN DIGITAL 15.3 UAGS	\$130.08
ST32520A	Seagate 2.5GB IDE	\$60.50
TLA30702	IBM 18.2GB U2 SCA	\$108.11
07N3024	IBM 18.2GB U2 SCA	\$110.00
07015	IBM 18.2GB U2 SCA	\$110.00
07015	IBM 18.2GB U2 SCA	\$110.00

Generic Drive Selection Below - Hot Offers

PartNo	Description	Price
DM51024U3	MAXTOR 10.0GB UAGS	\$102.85
WD1153AA	WESTERN DIGITAL 15.3 UAGS	\$119.74
WD1153BA	WESTERN DIGITAL 15.3 UAGS	\$130.08
ST32520A	Seagate 2.5GB IDE	\$60.50
TLA30702	IBM 18.2GB U2 SCA	\$108.11
07N3024	IBM 18.2GB U2 SCA	\$110.00
07015	IBM 18.2GB U2 SCA	\$110.00
07015	IBM 18.2GB U2 SCA	\$110.00

Generic Drive Selection Below - Hot Offers

PartNo	Description	Price
DM51024U3	MAXTOR 10.0GB UAGS	\$102.85
WD1153AA	WESTERN DIGITAL 15.3 UAGS	\$119.74
WD1153BA	WESTERN DIGITAL 15.3 UAGS	\$130.08
ST32520A	Seagate 2.5GB IDE	\$60.50
TLA30702	IBM 18.2GB U2 SCA	\$108.11
07N3024	IBM 18.2GB U2 SCA	\$110.00
07015	IBM 18.2GB U2 SCA	\$110.00
07015	IBM 18.2GB U2 SCA	\$110.00

Check Out Our New CPU Selector

Online Notebook Hard Drive Configurator

800 Number Tech Support

Knowledgeable Sales Staff

Memory4LessCom

1-800-821-3354



Prices and delivery subject to change without notice. Prices listed are as of 5/11/99. Shipping & handling charges are not refundable. All returns require RMA and copy of original. No refunds or exchanges after 15 days. Purchaser must pay for shipping and insurance for all returns. Restocking fee 20% on non-defective returns and goods must be in original resalable condition. All trademarks and registered trademarks are property of their respective companies.

Tel: 714 826-5981 Fax: 714 821-3361 Memory 4 Less 2622 W. Lincoln Ave, Suite 104, Anaheim, CA 92801

Tell Us What You Think

Dear Reader:

At Computer Shopper, we always strive to bring you timely and relevant information that best suits your needs. As we look for new ways to improve our magazine, there's no one better to ask for input than you, our reader.

So, I'm inviting you to take a few minutes to complete our online survey. It will help us to better understand which articles caught your attention and why. Please visit our Web site at www.computershopper.com/survey to complete the survey—it should take no more than five minutes.

Thank you for your ongoing support of Computer Shopper magazine.

Sincerely,



Janice J. Chen

Editor in Chief



Tell us what you think about the May issue at:
www.computershopper.com/survey

**COMPUTER
SHOPPER**

BUYING ADVISOR

by Asa Somers

Power Priced Right

Our Advisor tracks down an under-\$1,700 PC packing power, high-end components, and a premium warranty.

EVERY NOW AND THEN, WE check in on the ever-changing midrange-desktop market to see what we can get for less than \$2,000. That's because, judging from the letters we receive, a lot of readers want to snag serious power, high-end features, and good service without spending a lot of money.

Take, for instance, Bryce Schellhorn, a mechanical engineer from Cedar Rapids, Iowa. He and his family are growing weary of their three-year-old 200MHz ProGen desktop, with its tiny hard drive and monitor, slow modem, and wimpy graphics card. They're ready to plunk down some cash for more firepower, but because they want a system that will last several years, Schellhorn has a specific set of requirements for current and future needs.

Among these are great graphics capabilities, the ability to play the latest games, and good sound with bass. Another necessity: "the ability to process data fast enough so we don't waste time waiting for it to crunch information." That pretty much describes every computer user's dream machine. But Schellhorn also needs plenty of storage because his wife uses lots of space-hungry clip art, and will settle for nothing less than a premium three-year warranty with a year of onsite service. These demands put him in enthusiast territory, which is somewhere between budget-PC country and the kingdom of bleeding-edge performance. To get there, Schellhorn is willing to pay \$1,900, and not a penny more.

The best way to buy a system is to configure the components you need first, then get as much processing power as you can afford. So we first made sure the systems we compared included the following top-of-the-line components:

128MB of RAM, a 32MB GeForce2 MX graphics card, a 40GB hard drive, a DVD drive, a CD-RW drive, at least a 17-inch monitor (preferably a flat-face CRT), speakers with subwoofer, a modem, an Ethernet card, and solid warranty and service policies.

The current gold standard for midrange PCs is the **Dell Dimension 4100** (www.dell.com). It delivers high performance at a fair price, and Dell's service and support are renowned. Using Dell's well-designed Web site, we configured a Dimension with all the

CHALLENGE

USER PROFILE

Bryce Schellhorn, a mechanical engineer and home-computer enthusiast

COMPUTING NEEDS

A home desktop system that meets the demands of an increasingly computer-savvy family. The system must be able to handle current games, heavy downloads, graphics, DVD movies, and number crunching—all for \$1,900 or less (including shipping).

necessary items: a 1GHz Pentium III CPU, the Microsoft Works productivity suite, and a flat-screen Trinitron monitor for \$1,827, including shipping. Opting for a slower processor would save Schellhorn money, but would put him in budget-desktop country, where higher-end components such as powerful graphics cards and dual optical drives aren't available.

Next, we checked Gateway (www.gateway.com), where options and prices looked similar. But closer inspection revealed subtle but important differences. For instance, the **Performance Digital Music** model offered all the features of the Dimension—except a second optical-drive option. So at \$1,767 (shipping included), this model didn't match Schellhorn's criteria.

Dell was the only company we found that offered a Pentium III-based system at that



ABS Multimedia System 2

price. But if you're willing to go the Athlon route (if it were our money, we would be), Gateway also offers Athlon-based systems, and \$1,807 could buy Schellhorn a loaded **Gateway Select 1100** with a 1.1GHz processor. The specs were similar to the Dimension's, including a fast 7,200rpm hard drive, a flat-screen 17-inch monitor, Microsoft Works, and a three-year warranty with one year of onsite service.

Although Compaq (www.compaq.com) put together a nice system in the **Presario 7000**, the final price wasn't competitive. The same was true for Xi Computer (www.xicomputer.com), an up-and-coming second-tier vendor using top-quality components. Tiny Computers (www.tiny.com), the British direct shop now marketing on U.S. shores, offered the competitive **TS13** with a 1GHz Athlon and 256MB of RAM for \$1,748 (including shipping, and after a \$200 mail-in rebate). Not bad, but Tiny doesn't allow a fine degree of customization, so Schellhorn would have to settle for a curved-tube monitor with a 0.28mm dot pitch.

Among the Athlons, ABS Computer Technologies (www.buyabs.com) delivered the most attractive desktop of all. Known for its fast, highly customizable systems, ABS has loaded up on editorial prizes lately. We configured a killer **Multimedia System 2** with a 1GHz Athlon and a 19-inch monitor for an amazing \$1,672 (shipping included). Schellhorn could substitute a higher-quality 17-inch monitor into the configuration for roughly the same price.

SOLUTION

THE ADVISOR'S CHOICE

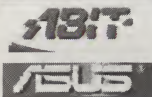
Finding a fully loaded desktop PC with a 1GHz processor for under \$1,900 was relatively easy. The **Dell Dimension 4100** sets the bar high at \$1,827. If we opted for an Athlon processor, we could get the \$1,807 **Gateway Select 1100** or the \$1,748 **Tiny TS13** (after a \$200 mail-in rebate). But the best deal was the \$1,672 **ABS Multimedia System 2**, a lightning-fast model with all the right components and a 19-inch monitor to boot.

zd Net Price It! 3 4 3 1 3

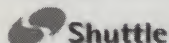
For real-time pricing, go to priceit.zdnet.com and enter number.

Either way, the ABS Multimedia System 2 will keep Schellhorn and his family happy for several years at a price that's well under budget.

If you want help making a smart buying decision, e-mail the Buying Advisor at buying_advisor@zdnet.com.

MOTHERBOARDS**GIGABYTE**

intel.

**SUPERMICRO****TYAN****PROCESSORS**

intel.

AMD

MEMORY**CORSAIR****CASES**

Enlight

**SUPERMICRO****HARD DRIVES**

- FUJITSU
- MAXTOR
- QUANTUM
- IBM
- SEAGATE
- WESTERN DIGITAL

VIDEO CARDS

- ATI
- MAXROX
- CREATIVE LABS

PLUS...

- MONITORS
- MICE
- KEYBOARDS
- DVD'S
- CD WRITERS
- FLOPPIES
- OPERATING SYSTEMS
- SCSI CONTROLLERS
- POWER SUPPLIES

The Motherboard Experts**What People Are Saying About Us..**

"Thank you for the outstanding service you guys provide. For your information, the two RAID servers, web server, and DNS/firewall servers I've built this year have all utilized CPUs, RAM, and motherboards and perhaps other components such as harddrives ordered from your store. Clean and simple layout, and competitive prices. In a way, you guys are partly responsible for us staying in the game in the wild dot-com world"

**"Best Place to Buy Motherboards & Components"**

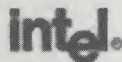
"Purchasing computer components piecemeal can be nerve-racking. That's why most of you prefer to deal with a single vendor for your system component needs. You also don't want to have to make an international call if your new motherboard has problems. What's more, you want a vendor that will stand behind its products. Motherboard Express lives up to all these expectations".

Dan Labriola & David English Computer Shopper

Mission Critical Servers 4U

For all the latest equipment and prices visit us at

www.mbxpc.com

**ISP 1100 Rackmount**

The Intel® ISP1100 Internet Server Platform 1U rack-optimized design is engineered for high-volume deployment and ease of use. The Intel® Pentium® III processor provides a surprising amount of power in a highly dense system.

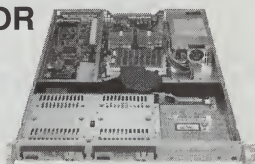
Also available: ISP2150G 2U Internet Server Platform
ISP4400 4U Internet Server Platform

SUPERMICRO SuperServers

1U DUAL PROCESSOR SOLUTIONS

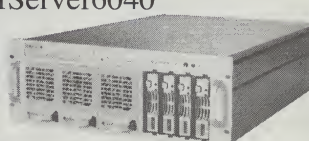
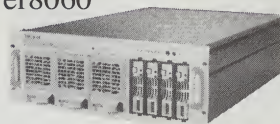
SuperServer6010H

SuperServer6010L

**4U QUAD XEON/PIII SOLUTIONS**

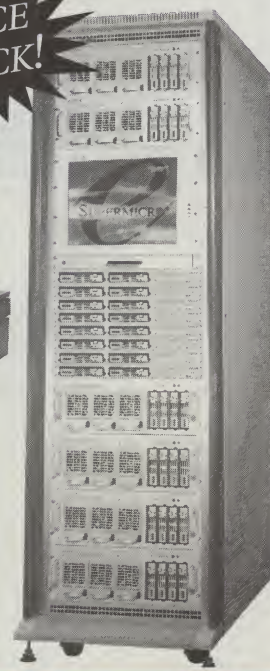
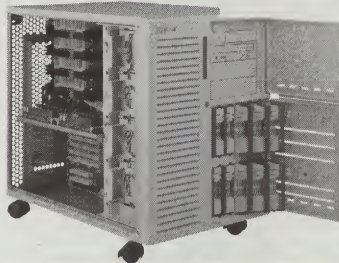
SuperServer8060

SuperServer6040

**TOWER DUAL XEON/PIII SOLUTIONS**

SuperServer6030

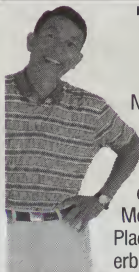
SuperServer8050



For all the latest equipment and prices visit us at

www.mbxpc.com

They laughed when I said I was going to build my own computer...



Now they all come to me for help. When I first saw the ads for Motherboard Express, I have to say I was intrigued. I had always purchased my computers at the typical superstore; you know the kind of store I'm talking about, where the dishwasher expert and the computer expert are the same guy. I'm not proud of the fact that it took me years before I stopped buying my computers from Jimmy the "Spin Cycle King". Anyway, it was their ad in Computer Shopper that caught my eye. It wasn't a particularly good ad, so I figured these guys must have been spending their money on some real Motherboard Experts instead of a good copywriter. Seriously, these guys care. They really do. They're so good they won "Best Place to Buy Motherboards and Components" from the readers of Computer Shopper. Check out their website at www.motherboardexpress.com or give 'em a call at 888-972-4629 and they'll make a believer out of you too.

Prices & specs subject to change without notice. Prices do not inc. S&H cost or IL State Sales Tax (if IL resident). S&H charges are not refundable. 15% Restocking fee on all returned items. Defaced items may not be returnable. No refunds on software or special orders. Prices fluctuate beyond our control. All trademarks are registered trademarks of their respective companies. We reserve the right to refuse any sale for any reason. All returns sent back Freight Prepaid. Not responsible for typographical errors or compatibility problems.

5/01 Shopper

1000 Brown St. Suite 201 Wauconda, IL 60084-3110 Mon-Thur: 8-7 Fri: 8-6 Sat: 9-3 TOLL FREE Tech Support: (888) 440-1617 FAX: (847) 487-2777

COMPUTER SYSTEMS.....215

- **Desktops**
Pentium 4, Pentium III, AMD Duron, AMD Athlon, AMD K6-2, Celeron, Bare Bones, Industrial PCs, Multi-processor, Servers, Terminals/Workstations
- **PDAs/Palmtops/HPCs**
- **Portables**
Pentium III/II, Pentium, AMD K6, Celeron, 486, Transmeta Crusoe
- **Macintoshes**

PERIPHERALS.....216

- **Digital Cameras/Camcorders**
- **Input Devices**
Graphics Tablets, Keyboards/Keypads, Mice, Trackballs
- **Modems**
External Fax, Internal Fax, PC Card, Voice/Data, Wireless
- **Monitors**
19" & Larger, 17", 15" & Smaller, LCD Flat Panel
- **Office Equipment**
Copy/Fax Machines, Multifunction Peripherals, Point-of-Sale, Misc. Office Equipment
- **Plotters • Presentation Equipment**
- **Printers**
Dot Matrix, Inkjet, Laser (Color), Laser (Monochrome), Portable, Thermal Wax, Misc. Printers
- **Scanners**
Bar-Code, Desktop, Handheld
- **Speakers/Headphones**
- **Storage Devices**
CD-ROM Drives, CD-Recordable/Rewritable Drives, Duplication Systems, DVD-ROM Drives, Floppy Disk Drives, LS-120, Hard Drives, Optical Storage, RAID Storage, Removable Storage, Tape Drives
- **Video Conferencing**

COMPONENTS.....218

- **General Components**
Cables/Connectors, Chassis/Cases, CPU Cooling Fans, CPUs, Memory Upgrades
- **Add-In Cards**
Controller Cards, Graphics/Accelerator Cards, Memory Cards, Sound Cards, Video Controllers & Equipment
- **Consumer Electronics • Motherboards**
- **PC Card Equipment • Misc. Components**

ACCESSORIES.....219

- **Electrical Accessories**
Batteries, Uninterruptible Power Supplies
- **Disk Accessories • Notebook Accessories**
Carrying Cases, Notebook/Laptop Hard Drives, Portable CD-ROM Drives, Portable CD-Recordable Drives, Portable DVD-ROM Drives, Portable MP3 Music Players, Misc. Notebook Accessories
- **Printer Supplies**
Printer Expansion Memory, Toner/Inkjet Cartridges, Misc. Printer Supplies
- **Storage Media • Misc. Accessories**

NETWORKING/COMM. EQUIP.....219**SOFTWARE & CONTENT.....219**

- **Applications Software**
Accounting/Finance/Tax/Investment, Communications, Desktop Publishing, Fonts, Graphics, Integrated, Languages/Tools, Multimedia, Networking, PIMs, Point-of-Sale, Project Management, Security, Utilities
- **Operating Systems/GUIs • Books/Catalogs/Videos**

SERVICES.....219

- **Data Conversion/Disk Duplication**
- **Training/Business**
- **Misc. Services**

If it's for sale direct, you'll find it here.

We've compiled a complete listing of all the products advertised in this issue of *Computer Shopper*.

The page numbers refer to advertisers who carry each type or brand of product.

COMPUTER SYSTEMS**• Desktops****Pentium 4**

- ABS Computer Technologies • 7
- Adamant Computers • 199
- Compaq Consumer Direct • COV2-COV4
- Cyber Power • 171
- Dell Computer Corp • 36, 164
- Gateway 2000 • 45
- Hewlett-Packard • 74
- HP • 88
- IBM Corporation • 8, 10, 125, 136
- iBUYPOWER • 138
- Interpro Microsystems • 198
- Micro Pro • 51, 207
- United Micro • 101

Pentium III

- ABS Computer Technologies • 7
- Acer America Corp • 144
- Adamant Computers • 199
- Atlas Micro • 54
- Caliber Computer Corp • 194
- Compaq Computer Corp • 13, 52
- Compaq Consumer Direct • COV2-COV4, 1
- Compaq Direct Plus • 28
- Cyber Power • 171
- Dell Computer Corp • COV5-COV8, 36, 164, 178, 236
- Gateway 2000 • 45
- Hewlett-Packard • 13, 52
- HP • 88, 93
- IBM Corporation • 10, 52, 125, 136
- iBUYPOWER • 138
- Interpro Microsystems • 198
- Micro Pro • 51, 207
- Motherboard Express • 213
- Thortek • 205
- United Micro • 101

AMD Duron

- Adamant Computers • 119,

- 199
- Alienware • 168
- Atlas Micro • 54, 103
- Compaq Computer Corp • 52
- Compaq Consumer Direct • 109
- Computer Gate Int'l • 154
- Cyber Power • 147, 171
- iBUYPOWER • 138
- Micro Pro • 51, 207
- Nutrend • 127
- Sony Corp of America • 52
- United Micro • 101

AMD Athlon

- Adamant Computers • 119, 199
- Alienware • 168
- Atlas Micro • 54, 103
- Cyber Power • 147, 171
- Hewlett-Packard • 52
- iBUYPOWER • 138
- Micro Pro • 51, 207
- Monarch Computer Systems • 85
- Nutrend • 127
- Tiny Computers • 73, 111
- United Micro • 101

AMD K6-2

- iBUYPOWER • 138

Celeron

- Adamant Computers • 199
- Atlas Micro • 54
- Compaq Computer Corp • 52
- Compaq Consumer Direct • COV2-COV4
- Compaq Direct Plus • 28
- Cyber Power • 171
- Hewlett-Packard • 52
- HP • 95
- IBM Corporation • 10
- iBUYPOWER • 138

- Interpro Microsystems • 198
- Micro Pro • 51, 207

Bare Bones

- Adamant Computers • 119, 199
- Case Depot • 200
- Ever Han Corp • 197
- Interpro Microsystems • 198
- Jinco.com • 197
- Motherboard Express • 213
- Team Force • 200
- United Micro • 101

Industrial PCs

- Case Depot • 200
- Ever Han Corp • 197
- Jinco.com • 197
- Team Force • 200

Multiprocessor

- ABS Computer Technologies • 7
- Caliber Computer Corp • 194
- Compaq Direct Plus • 28
- Dell Computer Corp • COV5-COV8, 36, 178
- Gateway 2000 • 45
- IBM Corporation • 10
- Interpro Microsystems • 198
- Micro Pro • 51, 207

Servers

- Adamant Computers • 199
- Caliber Computer Corp • 194
- Cobalt Networks • 52
- Compaq Computer Corp • 13, 52
- Compaq Direct Plus • 28
- Dell Computer Corp • COV5-COV8, 36, 178
- Gateway 2000 • 45
- Hewlett-Packard • 52
- HP • 93

- IBM Corporation • 10, 52, 136
- Intel Corp • 213
- Interpro Microsystems • 198
- Micro Pro • 51, 207
- Monarch Computer Systems • 85
- Motherboard Express • 213
- Quantum Corp • 174
- Super Micro • 213

Terminals/Workstations

- Adamant Computers • 199
- Case Depot • 200
- Dell Computer Corp • COV5-COV8, 36
- Ever Han Corp • 197
- iBUYPOWER • 138
- Interpro Microsystems • 198
- Jinco.com • 197
- Team Force • 200

• PDAs/Palmtops/HPCs

- 3Com Corp/US Robotics • 173
- Casio • 148
- Compaq Computer Corp • 74, 148
- Handspring • 13, 74, 148
- Hewlett-Packard • 148
- Hyundai Display Products • 2
- iBUYPOWER • 138
- NEC Computer Systems • 148
- Palm • 74, 148, 172
- Sony Corp of America • 13, 74, 148
- Xircom • 52, 220

• Portables**Pentium III**

- Acer America Corp • 13, 144, 148
- Compaq Computer Corp • 74, 143, 148, 172, 173
- Compaq Consumer Direct

The *Computer Shopper* Product Index lists the products, services, and advertisements appearing in the current issue (except those in the Showcase section). The staff has made every attempt to ensure the accuracy of the index. However, *Computer Shopper* does not warrant the accuracy of information and is not responsible for any errors appearing in the Product Index. Note that advertisements or changes to ads received after the Material Due deadline may not be included in the Product Index.



**There is a
shortcut to a
faster system.**



**You need
Crucial RAM.**

128MB PC100 SDRAM

\$49⁴⁹

for today's most
popular systems

Price reflects an automatic 10% discount for ordering online. Prices were taken on 3/5/01 from Crucial Web site; however, prices can (and do) change daily. Prices may vary according to specific system requirements.

crucial
TECHNOLOGY
A Division of Micron®

The Memory Experts™

*2001 Micron Semiconductor Products, Inc. All rights reserved. Crucial Technology and the Crucial logo are trademarks of Micron Technology, Inc. and Micron is a registered trademark of Micron Technology, Inc. All other brands and names used herein are the property of their respective owners. Crucial Technology is a division of Micron Semiconductor Products, Inc. Crucial Technology is not responsible for omissions or errors in typography or photography.

Portables (continued)

•COV2-COV4, 1
Compaq Direct Plus • 28
Dell Computer Corp • COV5-
COV8, 58, 77, 152, 164
Ever Han Corp • 197
Fujitsu • 74, 148
Gateway 2000 • 45
Hewlett-Packard • 74, 81, 143,
148
IBM Corporation • 10, 52, 74,
125, 136, 143, 148
Jinco.com • 197
Prostar Computer • 56, 83
Sager • 21, 62
Sony Corp of America • 13, 52,
74, 81, 143, 148, 172
Sony ITA • 67, 69
Tiny Computers • 73, 111
Toshiba America • 18, 52, 74, 81,
143, 148, 172
WinBook Computer Corp • 79

Pentium II

Compaq Computer Corp • 196
Ever Han Corp • 197
IBM Corporation • 214
Jinco.com • 197
NEC Computer Systems • 196
Toshiba America • 196

Pentium

Compaq Computer Corp • 196,
214
Dell Computer Corp • 196
Ever Han Corp • 197
Hewlett-Packard • 196
IBM Corporation • 196, 214
Jinco.com • 197
NEC Computer Systems • 196

AMD K6

Compaq Computer Corp • 148
Hewlett-Packard • 143, 148
Sony Corp of America • 143, 172,
173

Celeron

Acer America Corp • 144, 148
Compaq Computer Corp • 52, 74,
143, 148, 172, 196
Compaq Consumer Direct
• COV2-COV4
Dell Computer Corp • COV5-
COV8, 36, 58, 152, 164
Fujitsu • 74, 148
Gateway 2000 • 45
Hewlett-Packard • 74, 143, 148
HP • 91
IBM Corporation • 10, 52, 125,

136, 143, 148
Prostar Computer • 56, 83
Sager • 21
Toshiba America • 74, 143, 148,
172, 173
WinBook Computer Corp • 79

486

True Data Products • 196

Transmeta Crusoe

Sony Corp of America • 74, 143,
148

• Macintoshes

Apple Computer • 74

PERIPHERALS

**• Digital Cameras/
Camcorders**

Canon Computer Systems • 32,
74, 143, 148, 172, 173
Eastman Kodak Co • 143, 148,
172, 173, 207
Epson • 172, 173, 174
Fuji • 143, 148, 173
Minolta Corp • 148
Nikon • 32, 143, 148, 172, 173
Olympus Image Systems • 143,
148, 172, 173
Orange Micro • 174
Panasonic • 172
Pentax • 148
Sony Corp of America • 32, 74,
143, 148, 172, 174
Toshiba America • 143, 172, 173

Input Devices

Graphics Tablets

Wacom Technology • 172

Keyboards/

Keypads

Apple Computer • 214
Cherry Electrical Products • 167
Focus Electronic Corp • 207
Genovation • 167
Logic Controls • 167
Micro Pro • 207
Microsoft Corp • 201, 207
Mitsumi Electronics Corp • 201

Mice

Apple Computer • 214
Logitech • 207
Microsoft Corp • 201, 207

Mitsumi Electronics Corp • 201

Trackballs

Logitech • 207

• Modems

External Fax

3Com Corp/US Robotics • 207
Intel Corp • 201
Lucent Technologies • 201
Phoebe • 207
Rockwell • 201
Thompson Computer Warehouse
• 201

Internal Fax

3Com Corp/US Robotics • 148,
162, 207, 226
Creative Labs • 162, 226
Motorola • 148
Phoebe • 207
Xircom • 148

PC Card

3Com Corp/US Robotics • 148
Motorola • 148
Phoebe • 207
Xircom • 148

Voice/Data

3Com Corp/US Robotics • 162,
207, 226
Creative Labs • 162, 226
Phoebe • 207
Thompson Computer Warehouse
• 201

Wireless

3Com Corp/US Robotics
• 148

Monitors

19" & Larger

AOC International Ltd • 201
Hitachi • 52, 198
Iiyama North America • 13
KDS USA • 201, 207
Mag Innovation • 198, 205
Micro Pro • 207
Mitsubishi Electronics America
• 198
NEC Technologies • 198
Relisys • 162, 226
Sony Corp of America • 198
Thortek • 205
ViewSonic • 162, 198, 201, 205,
226

17"

AOC International Ltd • 201
Hitachi • 198
Hyundai Display Products • 2
KDS USA • 201, 207
Mag Innovision • 198
MGC (Max Group Corp) • 201
Micro Pro • 207
Mitsubishi Electronics America
• 198
NEC Technologies • 198
Princeton • 205
Relisys • 162, 226
Sony Corp of America • 198
Thortek • 205
ViewSonic • 162, 198, 201, 205,
226

15" & Smaller

AOC International Ltd • 201, 207
MGC (Max Group Corp) • 201
Micro Pro • 207
Nurol Corp • 188
Princeton • 205
Proview Technology • 201
Relisys • 162, 226
ViewSonic • 162, 226

LCD Flat Panel

AG Neovo • 205
Ever Han Corp • 197
Hitachi • 52
Hyundai Display Products • 2
Jinco.com • 197
KDS USA • 201, 207
Mitsubishi Electronics America
• 13
NEC Technologies • 13
Nurol Corp • 188
Samsung Electronics America
• 133
ViewSonic • 162, 226

• Office Equipment**Copy/Fax Machines**

Brother International Corp • 187
Canon Computer Systems • 187
Hewlett-Packard • 187
Okidata Corp • 187
PanaFax • 187
Panasonic • 187
Ricoh Corp • 187
Sharp Electronics Corp • 187

Multifunction Peripherals

Brother International Corp • 187
Canon Computer Systems • 187
Epson • 187
Hewlett-Packard • 187

HP • 91

Xerox Corp • 187

Point-of-Sale

American Microsystems • 167,
189
APG Cash Drawer • 167
Axiohm Cognitive Solutions • 188
Citizen America Corp • 188
Cougar Mountain Software • 6
Crichlow Data Sciences • 190
Eltron International • 188
Epson • 188
IBM Corporation • 188, 190
IBS • 188
Indiana Cash Drawer Co • 167,
188
Ithaca Peripherals • 188
Logic Controls • 167
Mag-Tek • 167
Metrologic Instruments • 188
MMF Cash Drawer Co • 167, 188
NJCR Technologies • 167
Nurol Corp • 188
P.O.S. International • 190
PC America • 167
Percon • 188
Point of Sale Solutions • 188
PSC • 188
Samsung Electronics America
• 188
Star Micronics America • 188
Symbol Technologies • 188
Unitech Systems • 167
Zebra Technologies • 188

Misc. Office Equipment

Nurol Corp • 188

• Plotters

Hewlett-Packard • 187

• Presentation Equipment

Adtech • 191
AV Marketplace • 191
Epson • 191
InFocus • 13, 191
Panasonic • 191
PLUS Corp • 191
Sanyo Business Systems Corp
• 191
Sony Corp of America • 32, 74
Toshiba America • 191

• Printers**Dot Matrix**

Epson • 187
Lexmark International • 187

Okidata Corp • 187

Panasonic • 187

Inkjet

Brother International Corp • 148,
187
Canon Computer Systems • 148,
173, 187
Citizen America Corp • 148
Epson • 52, 148, 173, 187, 205
Hewlett-Packard • 148, 187
HP • 95
Lexmark International • 187
Thortek • 205

Laser (Color)

Brother International Corp • 187
Hewlett-Packard • 187
Lexmark International • 187
Minolta Corp • 187
NEC Technologies • 187
Okidata Corp • 187
Panasonic • 187
QMS • 187
Tektronix • 187
Xerox Corp • 187

Laser (Monochrome)

Brother International Corp • 13,
187
Epson • 187
Hewlett-Packard • 13, 187
HP • 88
IBM Corporation • 187
Lexmark International • 187
Minolta Corp • 187
NEC Technologies • 187
Okidata Corp • 187
Panasonic • 187
Ricoh Corp • 187
Xerox Corp • 187

Portable

Brother International Corp • 187
Canon Computer Systems • 148,
187
Citizen America Corp • 148
Hewlett-Packard • 148

Thermal Wax

Tektronix • 187

Misc. Printers

Axiohm Cognitive Solutions • 188
Citizen America Corp • 167, 188
Cognitive Solutions • 167
Eltron International • 188
Epson • 167, 188
Ithaca Peripherals • 167, 188

Nurol Corp • 188

PC America • 167

Samsung Electronics America
• 188

Star Micronics America • 167,
188
Zebra Technologies • 188

Scanners**Bar-Code**

American Microsystems • 189
Crichlow Data Sciences • 190
Metrologic Instruments • 167, 188
NJCR Technologies • 167
Nurol Corp • 188
P.O.S. International • 190
PC America • 167
Percon • 167
Point of Sale Solutions • 188
PSC • 167, 188
Symbol Technologies • 167, 188
Unitech Systems • 188

Desktop

Epson • 173
Umax Technologies • 52, 174

Handheld

American Microsystems • 189
Nurol Corp • 188
PC America • 167
Point of Sale Solutions • 188
WizCom Technologies • 172

• Speakers/Headphones

Altec Lansing Corp • 205
Creative Labs • 205
Kinyo Co • 201
Klipsch • 205
Sonigistix • 205
Thompson Computer Warehouse
• 201
Thortek • 205

• Storage Devices**CD-ROM Drives**

Acer Peripherals • 174, 205, 220
ASUS Computer International •
201
Creative Labs • 174, 205, 220
Dirt Cheap Drives • 220
Ever Han Corp • 197
Jinco.com • 197
Kenwood • 174, 220
Lite-On • 205
Mega Haus • 174
Micro Pro • 207
Mitsumi Electronics Corp • 162,
174, 201, 220, 226

NEC Technologies • 174, 220
Pioneer New Media Technologies
• 220

Plextor • 174, 205, 220
Sony Corp of America • 162,
226
TEAC America • 174, 220
Thompson Computer Warehouse
• 201
Thortek • 205
Toshiba America • 162, 226
USDrives • 205

**CD-Recordable
/Rewritable Drives**

Acer Peripherals • 174, 205,
220
Creative Labs • 174, 205, 220
Dirt Cheap Drives • 220
Ever Han Corp • 197
Hewlett-Packard • 74, 174, 198,
205, 207, 220, 224
Iomega Corp • 205
Jinco.com • 197
Lite-On • 205
Mega Haus • 174
Mitsumi Electronics Corp • 162,
226
Pacific Digital Products • 205
Plextor • 3, 52, 162, 174, 198,
205, 207, 220, 224
Ricoh Corp • 174, 224
Samsung Electronics America
• 201
Sony Corp of America • 162, 174,
205, 220, 224, 226
TDK • 220
TEAC America • 174, 198, 205,
220
TeraOptix • 32
Thortek • 205
Yamaha • 162, 174, 198, 201,
205, 220, 224, 226

Duplication Systems

Logicube • 191
Rimage Corporation • 220

DVD-ROM Drives

Acer Peripherals • 220
Addonics (Fora) • 205
Afreedy • 201
Amacom Technologies • 205
CenDyne • 220
Creative Labs • 174, 205, 220
Dirt Cheap Drives • 220
Ever Han Corp • 197

Storage Devices *(continued)*

Hitachi • 220
 Jinco.com • 197
 Lite-On • 205
 Mega Haus • 174
 Micro Pro • 207
 Pioneer New Media Technologies
 • 174, 205, 220
 Ricoh Corp • 220
 Samsung Electronics America
 • 201
 Thortek • 205
 Toshiba America • 162, 174, 205,
 220, 226

Floppy Disk Drives

Apple Computer • 214
 Dirt Cheap Drives • 220
 Mitsumi Electronics Corp • 201,
 205, 207
 Sony Corp of America • 205
 TEAC America • 174, 200, 205, 207

LS-120

Imation • 174
 Thortek • 205

Hard Drives

Apple Computer • 214
 Dirt Cheap Drives • 220
 Ever Han Corp • 197
 Fujitsu • 174, 197, 213, 220
 Hitachi • 220
 IBM Corporation • 154, 162, 174,
 197, 198, 201, 205, 207, 213,
 220, 225, 226
 Jinco.com • 197
 Maxtor Corp • 13, 162, 174, 197,
 198, 201, 205, 207, 213, 220,
 226
 Mega Haus • 174
 MicroSolutions • 174, 220
 Quantum Corp • 154, 174, 198,
 205, 213, 220
 Samsung Electronics America
 • 154, 201, 205
 Seagate Technology • 154, 162,
 174, 197, 198, 201, 205, 207,
 213, 220, 226
 Thortek • 205
 Western Digital Corp • 154, 162,
 174, 197, 198, 201, 213, 220,
 225, 226

Optical Storage

Maxoptix Corp • 220
 Sony Corp of America • 220

RAID Storage

Mega Haus • 174

Removable Storage

Castlewood Systems • 174, 220
 Dirt Cheap Drives • 220, 224
 Iomega Corp • 148, 162, 174,
 198, 201, 205, 207, 220, 226
 Mega Haus • 174
 Thortek • 205

Tape Drives

Dirt Cheap Drives • 220
 Exabyte Corp • 174, 220
 Hewlett-Packard • 174, 220
 Hewlett-Packard (Colorado)
 • 198

Quantum Corp • 174, 198,
 220
 Seagate Technology • 174, 198,
 207, 220
 Sony Corp of America • 220

• Video Conferencing

Creative Labs • 207
 Hyundai Display Products • 2
 Phoebe • 207

COMPONENTS**• General
Components****Cables/Connectors**

Case Depot • 200
 Computer Gate Int'l • 154
 Dirt Cheap Drives • 220
 Mega Haus • 174
 Team Force • 200

Chassis/Cases

Antec • 205
 Case Depot • 200
 Dirt Cheap Drives • 220
 Enlight Corp • 201, 207, 213
 Fong Kai Industrial • 205
 In Win Development • 207, 213
 Jinco.com • 197
 Mega Haus • 174
 Micro Pro • 207
 Super Micro • 207, 213
 Team Force • 200
 Thompson Computer Warehouse
 • 201
 Thortek • 205

CPU Cooling Fans

Case Depot • 200
 Dirt Cheap Drives • 220
 Ever Han Corp • 197
 Jinco.com • 197

Team Force • 200

CPUs

AMD (Advanced Micro Devices)
 • 162, 197, 198, 201, 207, 210,
 213, 225, 226
 Cyrix • 198
 Intel Corp • 162, 197, 198, 201,
 207, 210, 213, 225, 226
 Jinco.com • 197

Memory Upgrades

Apple Computer • 214
 Compaq Computer Corp • 214
 Corsair Microsystems • 162, 213,
 226
 Crucial Technology (div of Micron)
 • 4, 216
 Ever Han Corp • 197
 IBM Corporation • 214
 Interpro Microsystems • 198
 Jinco.com • 197
 Kahlon • 214
 Memory 4 Less • 210
 Memory Man • 225
 Micro Pro • 207
 PC Progress • 226
 Simple Technology • 13
 Spartan Technologies • 162
 Thompson Computer Warehouse
 • 201
 Viking Components (VCI) • 213

• Add-In Cards**Controller Cards**

Adaptec • 162, 220, 226
 Arco Computer Products • 220
 Dirt Cheap Drives • 220
 Iwill (Quicktech) • 205
 Promise Technology • 162, 205,
 220, 226
 Tekram • 220
 Thortek • 205

Graphics/**Accelerator Cards**

3dfx Interactive (STB Systems)
 • 162, 226
 3DLabs • 198
 ASUS Computer International
 • 162, 198, 201, 226
 ATI Technologies • 154, 162, 174,
 198, 201, 205, 207, 213, 226
 Creative Labs • 213
 Daytona • 226
 ELSA • 198, 205
 Ever Han Corp • 197
 Guillemot • 207
 Jinco.com • 197

Matrox Electronic Systems Ltd
 • 162, 198, 201, 213, 226
 Sigma Designs • 220
 SIS • 207
 Thompson Computer Warehouse
 • 201

Memory Cards

Acer America Corp • 225
 AST Research • 214
 Compaq Computer Corp • 214,
 225
 CTX International • 214
 Dell Computer Corp • 214, 225
 Gateway 2000 • 214
 Hewlett-Packard • 214
 IBM Corporation • 214, 225
 Kahlon • 214
 Marine Park Computers • 148
 Memory 4 Less • 210
 Memory Man • 225
 NEC Computer Systems • 225
 Sharp Electronics Corp • 225
 Simple Technology • 13
 Toshiba America • 214, 225

Sound Cards

Creative Labs • 162, 201, 205,
 207, 220, 226
 Diamond Multimedia Systems
 • 201
 Ever Han Corp • 197
 Jinco.com • 197
 Thompson Computer Warehouse
 • 201
 Thortek • 205
 Yamaha • 201

**Video Controllers &
Equipment**

ADS Technologies • 172
 ATI Technologies • 162, 198, 201,
 207, 226
 Dazzle Multimedia • 172
 Mega Haus • 174
 Pinnacle Systems • 174
 Sigma Designs • 174, 220
 Wavelink Media • 220

**• Consumer
Electronics**

Garmin International • 32
 JVC Information Products • 32
 Panasonic • 32
 Sony Corp of America • 32
 TeraOptix • 32

• Motherboards

ABIT Computer Corp • 119, 154,

162, 197, 198, 199, 205, 207,
 213, 226

Adamant Computers • 119
 Apple Computer • 214
 ASUS Computer International
 • 119, 154, 162, 197, 198,
 199, 201, 205, 207, 213,
 226
 Biostar • 201
 Computer Gate Int'l • 154
 DFI • 199
 ECS • 207
 Ever Han Corp • 197
 FIC (First Int'l Computer) • 154,
 162, 201, 205, 207, 226
 Giga-Byte • 119, 154, 162, 198,
 205, 207, 213, 226
 Intel Corp • 162, 198, 199, 201,
 205, 207, 213, 226
 Iwill (Quicktech) • 119, 198, 199,
 205, 207
 Jinco.com • 197
 Motherboard Express • 213
 MSI • 154, 162, 197, 198, 201,
 226
 Shuttle Computer Group • 213
 Super Micro • 197, 198, 205,
 207, 213
 Thortek • 205
 Tyan Computer Corp • 197, 198,
 207, 213

• PC Card Equipment

3Com Corp/US Robotics • 148
 Addonics (Fora) • 148, 205
 Amacom Technologies • 205
 Dirt Cheap Drives • 220
 Kahlon • 214
 Marine Park Computers • 148
 Mega Haus • 174
 Thortek • 205
 Xircom • 148

**• Misc.
Components**

American Microsystems • 189
 Apple Computer • 214
 Case Depot • 200
 Computer Gate Int'l • 154
 Dirt Cheap Drives • 220
 Ever Han Corp • 197
 IBM Corporation • 214
 Jinco.com • 197
 Kahlon • 214
 Mega Haus • 174
 Motherboard Express • 213
 Team Force • 200

Thortek • 205

ACCESSORIES

• Electrical Accessories

Batteries

Acer America Corp • 225
Compaq Computer Corp • 214, 225
Dell Computer Corp • 225
IBM Corporation • 214, 225
Kahlon • 214
Marine Park Computers • 148
Memory 4 Less • 210
Memory Man • 225
NEC Computer Systems • 225
Sharp Electronics Corp • 225
Toshiba America • 214, 225

Uninterruptible Power Supplies

American Power Conversion Corp • 13
CMS Enhancements • 13

• Disk Accessories

Dirt Cheap Drives • 220

• Notebook/Portable Accessories

Carrying Cases

Dirt Cheap Drives • 220

Notebook/Laptop Hard Drives

AST Research • 214
Compaq Computer Corp • 214
Dell Computer Corp • 214
Dirt Cheap Drives • 220
Gateway 2000 • 214
Hitachi • 205, 220
IBM Corporation • 162, 205, 214, 220, 226
Kahlon • 214
Marine Park Computers • 148
Memory 4 Less • 210
NEC Technologies • 214
Texas Instruments (Acer) • 214
Thortek • 205
Toshiba America • 162, 205, 214, 220, 226

Portable CD-ROM Drives

Kahlon • 214
MicroSolutions • 148
Sony Corp of America • 32

Portable CD-Recordable Drives

Archos • 148
Hewlett-Packard • 148
Iomega Corp • 148
MicroSolutions • 148
Sony Corp of America • 148

Portable DVD-ROM Drives

Addonics (Fora) • 148, 205
Amacom Technologies • 205

Portable MP3 Music Players

Computer Gate Int'l • 154
Sony Corp of America • 32

Misc. Notebook/Portable Accessories

Compaq Computer Corp • 74
Handspring • 74
Kahlon • 214
Marine Park Computers • 148
Thortek • 205

• Printer Supplies

Printer Expansion Memory

Hewlett-Packard • 187, 214
IBM Corporation • 214
Kahlon • 214
Lexmark International • 214
Memory 4 Less • 210

Toner/Inkjet Cartridges

Canon Computer Systems • 187
Epson • 187
Hewlett-Packard • 187
Okidata Corp • 187

Misc. Printer Supplies

Nurol Corp • 188

• Storage Media

CD-R (Recordable) Discs

Dirt Cheap Drives • 220, 224
Imation • 13
Mega Haus • 174

Data Cartridges/Cassettes

Dirt Cheap Drives • 220, 224
Exabyte Corp • 174, 220
Fuji • 52
Hewlett-Packard • 220
Mega Haus • 174
Quantum Corp • 174, 220
Seagate Technology • 174, 207, 220
Sony Corp of America • 220

DVD-R (Recordable) Discs

Dirt Cheap Drives • 220

Optical Disks

Dirt Cheap Drives • 220
Maxoptix Corp • 220
Sony Corp of America • 220

Zip Disks

Iomega Corp • 174, 207, 220

• Misc. Accessories

ADS Technologies • 172
Case Depot • 200
Computer Gate Int'l • 154
Dirt Cheap Drives • 220
Ever Han Corp • 197
Jinco.com • 197
Mega Haus • 174
Team Force • 200
Thortek • 205

NETWORKING/ COMMUNICATIONS EQUIPMENT

3Com Corp/US Robotics • 52, 148, 162, 174, 201, 207, 226
Cisco Systems • 52
Computer Gate Int'l • 154
D-Link Systems • 207
Dirt Cheap Drives • 220
Edimax Technology Co • 162, 226
Hewlett-Packard • 13
Intel Corp • 201, 207
Kingston Technology Corp • 169
Linksys • 52
Marine Park Computers • 148
Mega Haus • 174
Micro Pro • 207
Phoebe • 207
Seagate Technology • 174
SMC (Standard Microsystems Corp) • 52
Thompson Computer Warehouse • 201
Xircom • 148

SOFTWARE & CONTENT

• Applications Software

Accounting/Finance/Tax/Investment

Cougar Mountain Software • 6

Crichlow Data Sciences • 190
Intuit • 52, 176, 190
Nurol Corp • 188
P.O.S. International • 190

Communications

Symantec Corp • 176, 190
Symantec Corp (Delrina Group) • 176, 190

Desktop Publishing

Adobe Systems • 52, 176, 190
Quark • 52

Fonts

Nurol Corp • 188

Graphics

Adobe Systems • 52, 176, 190
Corel Corp • 190
Macromedia • 176, 190
Ulead Systems • 120

Integrated

Corel Corp • 176, 190
Lotus Development Corp • 190
Microsoft Corp • 52, 176, 190

Languages/Tools

Inprise Corp (Borland) • 176, 190
Microsoft Corp • 176, 190

Multimedia

Ulead Systems • 120

Networking

NovaStor Corp • 174, 220
Seagate Software • 174

PIMs

Symantec Corp • 176, 190

Point-of-Sale

American Microsystems • 189
Cougar Mountain Software • 6
Crichlow Data Sciences • 190
DCRS Solutions • 188
IBM Corporation • 190
ICV Corp • 188
Merchant Software Corp • 188
Northwest Network Solutions • 188
Nurol Corp • 188
P.O.S. International • 190
PC America • 167
Point of Sale Solutions • 188
Remsoft Technologies • 188
Sales Management Systems • 188

StrandWare • 188

Project Management

Microsoft Corp • 52, 176, 190

Security

McAfee • 43
NovaStor Corp • 174, 220
Symantec Corp • 87

Utilities

Adaptec • 54, 220
Creative Digital Research • 220
Dirt Cheap Drives • 220
Elektrosn USA • 220
McAfee • 43
NovaStor Corp • 174, 220
PowerQuest Corp • 220
Seagate Software • 174, 220
Symantec Corp • 87, 176, 190

• Operating Systems/GUIs

Microsoft Corp • 176, 190

• Books/Catalogs/Videos

PC Mall • 52

SERVICES

• Data Conversion/Disk Duplication

Logicube • 191

• Training/Business

Crichlow Data Sciences • 190
P.O.S. International • 190
PC America • 167

• Misc. Services

CDW Computer Centers • 150
P.O.S. International • 190
Safeware • 70



DIRT CHEAP DRIVES

We're not just drives anymore!

HARD DRIVES

Quantum

(dirtcheapdrives.com/qtm)

ULTRA ATA/100 IDE

Capacity	Cache	RPM	Item Number	Price
10.0GB	128K	4500	QML10000LD	\$89
10.2GB	2MB	7200	QMP10200AS	\$98
20.0GB	128K	4500	QML20000LD	\$100
20.5GB	2MB	7200	QMP20500AS	\$112
30.0GB	128K	4500	QML30000LD	\$110
30.0GB	2MB	7200	QMP30000AS	\$128
40.0GB	128K	4500	QML40000LD	\$125
40.0GB	2MB	7200	QMP40000AS	\$156
60.0GB	2MB	7200	QMP60000AS	\$229

SCA & SCA ULTRA 160 Single Connector Attachment

9.1GB	4MB	7200	COMING SOON	CALL
9.2GB	8MB	10,000	TY309200SCA	\$211
18.3GB	4MB	7200	COMING SOON	CALL
18.3GB	8MB	10,000	TY318400SCA	\$305
36.7GB	4MB	7200	COMING SOON	CALL
36.7GB	8MB	10,000	TY336700SCA	\$461
73.4GB	8MB	10,000	TY373400SCA	\$973

ULTRA 160 SCSI (160 MB/sec)

9.1GB	4MB	7200	COMING SOON	CALL
9.2GB	8MB	10,000	TY309200LW	\$211
18.3GB	4MB	7200	COMING SOON	CALL
18.4GB	8MB	10,000	TY318400LW	\$305
36.7GB	4MB	7200	COMING SOON	CALL
36.7GB	8MB	10,000	TY336700LW	\$461
73.4GB	8MB	10,000	TY373400LW	\$973

IBM

(dirtcheapdrives.com/ibm)

ULTRA ATA-100 IDE

15.0GB	2MB	7200	07N5637	\$103
20.0GB	2MB	7200	07N5638	\$126
30.0GB	2MB	7200	07N5639	\$139
45.0GB	2MB	7200	07N5640	\$154
60.0GB	2MB	7200	07N3933	\$229
75.0GB	2MB	7200	07N3935	\$290

Ultra 160 SCSI

9.1GB	4MB	10,000	07N3220	\$212
18.3GB	4MB	10,000	07N3210	\$274
36.9GB	4MB	10,000	07N3200	\$472

ULTRA 320 SCSI* (320MB/sec) Coming soon CALL!

Para: Llamadas en Espanol:
1-800-473-0960

Maxtor

(dirtcheapdrives.com/max)

ULTRA ATA-100 IDE

10.0GB	2MB	7200	MST010H1	\$100
20.0GB	2MB	7200	MST020H2	\$122
30.0GB	2MB	7200	MST030H3	\$135
40.0GB	2MB	7200	MST040H4	\$162
60.5GB	2MB	7200	MST060H6	\$229
81.9GB	2MB	5400	M98196H8	\$261

1394 External Hard Drive Kits

40.0GB	2MB	5400	X01FWRA040	\$262
80.0GB	2MB	5400	X01FWRA080	\$365

We really appreciate your business. Call us for the best deals.

Hitachi

(dirtcheapdrives.com/hit)

ULTRA 160 SCSI

18.4GB	4MB	10,000	DK32CJ-18MW	\$312
36.9GB	4MB	10,000	DK32CJ-36MW	\$537
73.9GB	4MB	10,000	DK31CJ-72MW	\$994

ULTRA SCA

18.4GB	4MB	10,000	DK32CJ-18MC	\$312
36.9GB	4MB	10,000	DK32CJ-36MC	\$537
73.9GB	4MB	10,000	DK31CJ-72MC	\$994



Keep your hard drive running cool
and extend the life of your drive.
Twin cooling fans are controlled by
heat sensitive circuitry. (VHDFAN) \$25



The REX 6000

Personal PDA from Xircom.
Call now to be one of the first
to own this HOT new PDA!



HARD DRIVES

Seagate

(dirtcheapdrives.com/sea)

ULTRA ATA/100 IDE

Capacity	Cache	RPM	Item Number	Price
10.2GB	512K	5400	ST310211A	\$87
20.0GB	2MB	7200	ST320414A	\$113
20.4GB	512K	5400	ST320413A	\$101
30.0GB	512K	5400	ST330621A	\$112
30.0GB	2MB	7200	ST330620A	\$138
40.0GB	2MB	7200	ST340824A	\$172
40.8GB	512K	5400	ST340823A	\$127

ULTRA SCSI

18.4GB	2MB	7200	ST318417N	\$318
--------	-----	------	-----------	-------

ULTRA Wide SCSI

18.4GB	2MB	7200	ST318417W	\$318
--------	-----	------	-----------	-------

Ultra 160 SCSI (up to 160MB/sec)

9.2GB	4MB	10,000	ST39205LW	\$238
18.0GB	4MB	15,000	ST318451LW	\$412
18.4GB	2MB	7200	ST318437LW	\$300
18.4GB	4MB	10,000	ST318405LW	\$333
36.7GB	2MB	7200	ST336737LW	\$503
36.7GB	4MB	10,000	ST336705LW	\$565
73.4GB	4MB	10,000	ST373405LW	\$960
73.4GB	16MB	10,000	ST373405LWV	\$982
181.6GB	4MB	7200	ST1181677LW	\$2145
181.6GB	16MB	7200	ST1181677LWV	\$2178

SCA & SCA 160 (Single Connector Attachment)

9.2GB	4MB	10,000	ST39205LC	\$238
18.0GB	4MB	15,000	ST318451LC	\$412
18.4GB	2MB	7200	ST318437LC	\$300
18.4GB	4MB	10,000	ST318405LC	\$333
36.7GB	2MB	7200	ST336737LC	\$503
36.7GB	4MB	10,000	ST336705LC	\$565
73.4GB	4MB	10,000	ST173405LC	\$960
73.4GB	16MB	10,000	ST173405LCV	\$982
181.6GB	4MB	7200	ST1181677LC	\$2145
181.6GB	16MB	7200	ST1181677LCV	\$2178

FC-AL Fibre Channel 160 (Arbitrated Loop)

36.7GB	4MB	10,000	ST336605FC	\$560
73.4GB	4MB	10,000	ST373405FC	\$960
73.4GB	16MB	10,000	ST373405FCV	\$982

WESTERN DIGITAL

(dirtcheapdrives.com/wd)

ULTRA ATA-100 IDE

20.0GB	2MB	5400	WD200AB	\$101
20.0GB	2MB	7200	WD200BB	\$111
30.0GB	2MB	5400	WD300AB	\$114
30.0GB	2MB	7200	WD300BB	\$135
40.0GB	2MB	5400	WD400AB	\$128
40.0GB	2MB	7200	WD400BB	\$152
60.0GB	2MB	5400	WD600AB	\$182
60.0GB	2MB	7200	WD600BB	CALL
80.0GB	2MB	7200	WD800BB	CALL

1394 External Hard Drive Kits

30.0GB	2MB	5400	WD300A001RN	\$226
40.0GB	2MB	5400	WD400A001RN	\$264

1394 Cards from Western Digital!

Type II CardBus card	WDAD003RNW	\$91
PCI card	WDAD002RNW	\$45

FUJITSU

(dirtcheapdrives.com/fuj)

ULTRA ATA-100 IDE

10.2GB	512K	5400	MPG3102AT	\$89
10.2GB	2MB	7200	MPG3102AH	\$97
15.3GB	2MB	7200	MPG3153AH	\$108
20.4GB	512K	5400	MPG3204AT	\$97
20.4GB	2MB	7200	MPG3204AH	\$118
30.7GB	512K	5400	MPG3307AT	\$109

MicroSolutions

Serial

32X CD-ROM ask about sound!	(BACKPAC32X)	\$145
20GB Hard Drive also for USB	(154015)	\$245
20GB Hard Drive also for PC card	(153015)	\$255
4x4x24 CD Rewritable	(BACKPAC4X24)	\$225

-With USB Docking Station \$149

REX 6000 2MB MicroPDA #REX6D-2

-With Serial Docking Station \$145

REX 6000 2MB MicroPDA #REX6S-2

LAPTOP DRIVES

These drives offer cost effective solutions for upgrading your existing laptop. We also carry a large variety of top name brand notebooks & accessories. CALL.

TOSHIBA Hard Drives

Capacity	Height	RPM	Model	Price
6.0GB	9.5mm	4200	MK6015MAP	\$94
10.0GB	9.5mm	4200	MK1016GAP	\$108
15.1GB	9.5mm	4200	MK1517GAP	CALL
20.0GB	9.5mm	4200	MK2016MAP	\$171
30.0GB	9.5mm	4200	MK3017GAP	CALL

IBM Hard Drives

5.0GB	9.5mm	4200	07N4391	\$102
10.0GB	9.5mm	4200	07N4390	\$110
20.0GB	9.5mm	4200	07N4388	\$143
32.0GB	12.5mm	5411	07N4138	\$446

HITACHI Hard Drives

6.0GB	9.5mm	4200	DK23BA60	\$104
10.0GB	9.5mm	4200	DK23BA10	\$118

2.2GB Removable Cartridge Drive

Prices incl. 1 free disk. Extra Disks (ORBDISK) \$29

ORB USB (ORBUSB) \$174

Int. SCSI (ORBSCSIX) / Ext. SCSI (ORBSCSIX) \$141/\$159

OPTICAL DRIVES

MAXOPTIX 5.2GB

2.6GB, 1.3GB, 1GB, 650MB compatible, SCSI-2, 4MB buffer

Int. (T6-5200)/Ext. our case (T6-5200X) \$1379/\$1459

Maxoptix 5.2 Media 1-4/5-9/10+ \$83/\$80/\$77

SONY 5.2GB

2.6GB, 1.3GB, 650MB r/w compatible, SCSI-2, 4MB buffer

Int. (SMOF551)/Ext. our case (SMOF551X) \$1379/\$1459

Sony 5.2 Media 1-4/5-9/10+ (SMAX5.2) \$83/\$80/\$77

ZIP & JAZZ DRIVES

100MB ZIP

Internal IDE for PC (ZIP100A) \$59

Internal IDE for PC 5 pack (ZIP100A-5) \$279

Internal IDE for PC 10 pack (ZIP100A-10) \$545

Internal SCSI for PC (ZIP100I) \$69

External for PC parallel port (PPZIP100) \$79

External for PC parallel port (ZIP100USB) \$79

100MB disks (ZIP100C) Qty 2-9/Qty 10+ \$12/\$10

250MB ZIP

External USB for PC or Mac (ZIP250USB) \$139

External SCSI for PC or Mac (ZIP250) \$109

Internal IDE (ZIP250A) \$109

External for PC parallel port (PPZIP250) \$109

250MB disks (ZIP250C) QTY 2-9/QTY 10+ \$17/\$15

2 GIG JAZZ

• Backwards compatible w/Jaz 1 Gig disks

10ms read, 12ms write, 5394rpm

Internal SCSI (JAZZ1) \$249

External SCSI (JAZZ2X) \$319

1GB Disks (JAZZ1GIGPC) Qty 2-4/5-9/10+ \$80/\$77/\$75

2GB Disks (JAZZ2GIGPC) Qty 2-4/5-9/10+ \$85/\$80/\$77

JAZZ ACCESSORIES

PCI Controller (JAZZETPCI) \$89

PCMCIA Type II Adapter (JAZZPCMCIA) \$105

Parallel Adapter Jaz Traveller (JAZPARALLEL) \$39

1394/FIREWIRE

1394 PCMCIA CARDBUS (70HTL00040) \$85

1394 USB/PCI BOARD (70HTL00060) \$119

1394 HUB (70HTL00030) \$85

1394 REPEATER AND CABLES (70HTL00020) \$45

15 Ft. Cable: 6pin to 4pin/6pin to 6pin

(70CAB13943)/(70CAB13942) \$19/\$19

Sales lines open:
Mon - Fri 7-8,
Sat 9-3 CST

1-800-475-7476

DIRT CHEAP DRIVES

We're not just drives anymore!

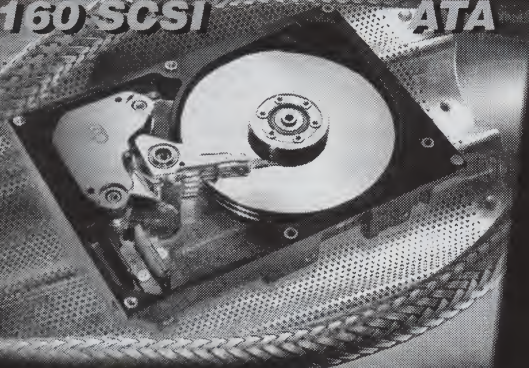
Three Time
Winner Of The
"Best Place To
Buy" Award!



Seagate

**ULTRA
160 SCSI**

**ULTRA
ATA**



Check out the hot deals at:
www.dirtcheapdrives.com/sea

Seagate's new 3D Defense system:
Drive Defense, Data Defense &
Diagnostic Defense...Ensures ironclad
protection — the industry's most
complete protection solution for data.

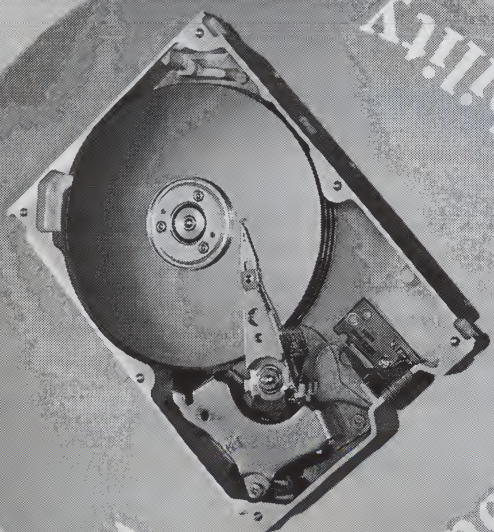
U5 ULTRA ATA-100, 512K, 5400rpm

10.2GB.....	ST310211A	\$87
20.4GB.....	ST320413A	\$101
30.0GB.....	ST330621A	\$112
40.8GB.....	ST340823A	\$127

ULTRA 160 SCSI, 4MB, 10,000rpm

9.2GB	ST39205LW	\$238
18.4GB	ST318405LW	\$333
36.7GB	ST336705LW	\$565
73.4GB	ST373405LW	\$960

Call about our 16MB and 15000rpm deals.



Quantum

Leading The Way In
Performance And Reliability

4500rpm/128k Fireball LCT20, Ultra ATA-100

10GB.....	QML10000LD	\$89
20GB.....	QML20000LD.....	\$100
30GB.....	QML30000LD.....	\$110
40GB.....	QML40000LD.....	\$125

7200rpm/2MB Fireball Plus AS, Ultra ATA-100

10GB.....	QMP10200AS	\$98
20GB.....	QMP20500AS	\$112
30GB.....	QMP30000AS	\$128
40GB.....	QMP40000AS	\$156
60GB.....	QMP60000AS	\$229

For the latest pricing, visit us at:
www.dirtcheapdrives.com/qtm

www.dirtcheapdrives.com





DIRT CHEAP DRIVES

We're not just drives anymore!

TAPE BACKUP

SONY

We include 5.25" mounting hardware with Sony DAT!

4-8Gig	DDS-2 DAT, 90MB/min, SDT7000AI	\$419 \$10 (DAT120M)
12-24Gig	DDS-3 DAT, 144MB/min, SDT9000AI	\$565 \$20 (DAT125M)
20-40Gig	DDS-4 DAT, 288MB/min, SDT11000AI	\$819 \$33 (DAT150M)
160-320Gig	DDS-4 DAT/Loader, 840MB/min, TSL-S11000	\$2745 \$33 (DAT150M)

SONY AIT Tape Drives

25-50GB	AIT Internal (SDX-300CI)	\$1189
25-50GB	AIT External (SDX-5300C)	\$1342
50-100GB	AIT-2 Internal (SDX-500CI)	\$2699
50-100GB	AIT-2 External (SDX-5500C)	\$2959
35GB AIT Media (SDX135C)	1-4/5/9/10-49/50+	\$85/\$83/\$81/\$79
50GB AIT Media (SDX250C)	1-4/5/9/10-49/50+	\$110/\$106/\$102/\$98

Quantum.

Get a DLT4 tape for only \$65 when purchased with drive.

20-40Gig	DLT, 180MB/min, DLT4000	\$1040 \$65 (DLT4)
	External, our case, DLT4000X	\$1140 \$65 (DLT4)
	External, Quantum case, DLT4000QX	\$1379 \$65 (DLT4)
40-80Gig	DLT, 600MB/min, DLT8000	\$3099 \$65 (DLT4)
	External, our case, DLT8000X	\$3269 \$65 (DLT4)
	External, Quantum case, DLT8000QX	\$3369 \$65 (DLT4)

DLT MEDIA SALE	1-4	5-9	10-49	50+
DLTIII 10-20GB (DLT3)	\$34	\$33	\$32	\$31
DLTIII XT 15-30GB (DLT3XT)	\$37	\$36	\$35	\$34
DLTIV 20-40GB (DLT4)	\$73	\$70	\$67	\$65
DLT Cleaning tape (DLT4CLEAN)	\$39	\$37	\$35	\$33

Seagate

* Includes 1 FREE tape, cable, manual & Win/NTWS backup software

Minicartridge	Int.	Extra Tapes
ATAPI (IDE)		
TR4 4-8gig (STT28000A)	\$195	\$25 (TR4)
TR5 10-20gig (STT220000A)	\$259	\$40 (TR5)
SCSI	Int.	Ext.
TR4 4-8gig (STT28000N)	\$219	\$279
SCSI RCVT		
TR4 4-8gig (STT28000NC)	\$369	\$429
TR5 10-20gig (STT220000N)	\$469	\$529

Exabyte



Internals			
7-14Gig	8mm, 120MB/min, ELIANT820	\$1159	\$10 (DAT160MBMM)
14-28Gig	8mm, 420MB/min, Mammoth-LT	\$1219	\$10 (DAT160MBMM)
20-40Gig	8mm, 360MB/min, EXB8900	\$1929	\$69 (AME170)
140-280Gig	8mm, 180MB/min, EZ175WK	\$4449	\$10 (DAT160MBMM)

Externals			
7-14Gig	8mm, 120MB/min, ELIANT820X	\$1229 \$10 (DAT160MBMM)	
14-28Gig	8mm, 420MB/min, Mammoth-LT	\$1395 \$10 (DAT160MBMM)	
20-40Gig	8mm, 360MB/min, EXB8900X	\$1939 \$69 (AME170)	

HEWLETT PACKARD

We include 5.25" mounting hardware with HP DAT!

4-8Gig	DDS-2, 60MB/min, C1599AI	\$519 \$10 (DAT120M)
12-24Gig	DDS-3, 120MB/min, C1554AI	\$695 \$20 (DAT125M)
72-144Gig	DDS-3, 120MB/min, C5648A	\$1649 \$20 (DAT125M)

Seagate

We include 5.25" mounting hardware with Seagate DAT!

2-4Gig	DAT-DC 66MB/min, STD24000N	\$415 \$6 (DAT90M)
4Gig	Mini 30MB/min, STT28000N	\$219 \$25 (TR4)
4-8Gig	Mini 60MB/min, STT28000NC	\$365 \$25 (TR4)
4-8Gig	DDS-2 DAT 66MB/min, STD28000N	\$519 \$10 (DAT120M)
10-20Gig	Mini 100MB/min, STT2200BARE	\$275 \$40 (TR5)
12-24Gig	DDS-3 DAT 132MB/min, STD224000N	\$689 \$10 (DAT120M)
20-40Gig	DDS-4 DAT 330MB/min, STD2401LW-R	\$1075 \$27 (DAT150M)
240Gig	DDS-4 DAT autoloader, STD42401LW	\$2250 \$27 (DAT150M)

We have a variety of power backup solutions. Our customer service reps are glad to assist you. Call or visit our website under the "Power Backups" listing.

DRIVE CASES

DRIVE CASE:	SCSI TYPE:	Ultra	UltraWide	Ultra 160
3.5" w/ closed, 1", & 1.6" open face plates	(3.5CASEC)	\$49	\$59	\$69*
5.25" w/ closed, 1", 1.6", & CD face plates	(HHCASET)	\$49	\$59	\$75*
Holds 2 half height or 1 full height drive.	(FHCASE)	\$69	\$95	\$109*
Dual 3.5" drive model	(DUAL3.5CASE)	\$89	\$89	\$99*
Takes two 3.5" drives	(DUAL3.5CW)	\$129	\$129	\$139*
Holds 4 half height or 2 full height drives.	(TOWERCASET)	\$175	\$219	\$239*
Holds 8 half height or 4 full height drives.	(18BAYCASE)	\$385	\$479	\$495*
Holds 14 half height or 6 full height drives.	(20BAYCASE)	\$585	\$689	\$699*
Holds 18 half height or 8 full height drives.	(20BAYCASEFW)	\$619	\$739	\$755*
Holds 20 half height or 10 full height drives.				

* Also compatible with Ultra-2 SCSI

Parallel cases, PCMCIA IDE cases and redundant hot swappable power supplies are also available. Call us or shop our website for complete listings at:

www.dirtcheapdrives.com/cases

Seagate External USB 4GB-8GB Tape Drive #STT681U-R \$299

Seagate External USB 10GB-20GB Tape Drive #STT6201U-R \$339

HEWLETT PACKARD

We carry the hottest Hewlett Packard products made. Laser & Inkjet Printers, Monitors, Desktop Computer Stations & Laptop Computers. Call or visit our website under dirtcheapdrives.com/hp for the latest deals.

BACKUP SOFTWARE

Seagate (formerly Veritas) (formerly Seagate) Backup Exec

Windows 95, 98 & NT workstation - Now supports NT Workstation (SBWDWD)	\$65
Small Business Server Suite (SBENTSB)	\$439
Network single server & unlimited users (SBENWSE)	\$329

NovaStor

NovaWorks CD contains backup software for DOS, Win 3.1, Windows 95, Win NT, and OS/2. Compatible with SCSI, IDE, and QIC drives (19801)	\$49
NovaNet 8 for Windows	
SE for Windows NT/2000 (79210)	\$295
Single Server for NT/2000 (79230)	\$395
Unlimited for NT/2000 (79250)	\$659

NovaNet 8 for NetWare

SE (79310)	\$285
Single Server for NetWare 25 User (79320)	\$315
Single Server for NetWare 1000 User (79330)	\$395
Unlimited for NetWare 25 User (79340)	\$555

Go Back

Better than just backup - it's disaster recovery	\$55
Lost and Found	
PowerQuest recovery software (LF1ENFD)	\$62

We now carry a large variety of software including: gaming software, multimedia software, business software & more! For the hottest deals, call us or shop our website at www.dirtcheapdrives.com.

USB STUFF

4x4x6 CD-RW - PC or Mac (CDW54EUSB) \$205
Master CD with this complete kit. Includes mastering software & drive in high quality external USB case.

100MB Zip Drive (ZIP100USB) \$79
Iomega USB 100MB Zip drive. Easy to install, simply connect to the USB port on your system and install the included software.

250MB Zip (ZIP250USB) \$139
Iomega USB 250MB Zip drive. Easy to install, simply connect to the USB port on your system and install the included software.

2.2GB Orb (ORBUSB) \$174
Revolutionary removable media storage by Castlewood Systems holds 2.2GB of uncompressed storage capacity. Includes a 2.2GB cartridge.

USB to SCSI (or SCSI-2) Adapter (USBSCSI) \$59
Adapter allows you to attach any SCSI device to the USB port.

USB 10-20GB Tape Backup (STT6201U-R) \$299
Seagate 10GB native, 20GB compressed tape backup. Uses TR5 tapes - special - only \$34 when purchased with this drive - any qty.

1394 USB/PCI BOARD (70HTL00060) \$119
2 1394 ports & 2 USB external ports for plug and play peripherals. Floppy Drive (USBFLOPPY) \$85

USB for iMac. Read/write Mac & PC formats. iMac blue case. **10GB, 20GB, 30GB, 40GB, 60GB Hard Drive** (USB10GB/20GB/30GB/40GB/60GB) \$165/\$179/\$189/\$205/\$319
10GB USB external hard drive with built-in fan and USB cable. Cool looking translucent white plastic casing.

CONTROLLERS

Adaptec

	BARE	/ KIT
1890600	Fireconnect 4300 KIT PCI 1394-FireWire Adapter	\$72
A2906KIT	PCI 32 Bit SCSI (For PC or Mac)	\$55
T1350	EPP Parallel to SCSI adapter	\$69
T1460D2KIT	PCMCIA type 2, 3, or 4 to SCSI	\$119
T1480A	CardBus to Ultra SCSI	\$169
AAA131U2	PCI RAID controller for Ultra-2	\$429
AAA133U2	PCI Ultra-2 RAID 3 channel	\$695
ARO1130U2	RAIDPORT II Ultra-2 RAID	\$269
A19160	Ultra 160 SCSI	\$149
A29160	Ultra 160 SCSI 64 bit	\$209
A39160	Ultra 160 SCSI 64 bit PCI, 2 channel	\$345
A29160N	Ultra 160 SCSI 32 bit PCI	\$279
A29160LP	Ultra 160 SCSI 64 bit MD2 low profile	\$219
APD29160MAC	Ultra 160 SCSI controller for Macintosh	\$279
APD39160MAC	Ultra 160 SCSI controller for Macintosh FAST!	\$399
AAAUDMAKIT	PCI 4 channel UDMA/66 RAID	\$379

The Adaptec RAID Lineup

RAID2100S	Ultra 160 SCSI RAID w/32MB SDRAM	\$429
RAID3200S	As 2100S with 2 channels, 64 bit	\$729
RAID3400S	As 2100S with 4 channels, 64 bit	\$979
ABM100KIT	Battery backed module for 3000S series RAID controllers	\$229
AMM232KIT	32MB ECC SO-DIMM for 3000S series RAID controllers	\$165
AMM264KIT	64MB ECC SO-DIMM for 3000S series RAID controllers	\$279

AI COMPUTER PRODUCTS, INC.

• Hardware RAID 1 (mirroring) works with most operating systems.
• Jumperless design, 100% data redundancy, 4 drive support
• DupliDisk II
DUPLIDISK \$239 No slot version (DPD2-NOSLOT) \$179

Tekram

We are really impressed with these controllers. High quality at a very hot price. Check them out!

DC315U	32 Bit PCI SCSI controller - no bios	\$25
DC395U	32 Bit PCI Ultra SCSI controller	\$49
DC390F	32 Bit PCI Ultra Wide SCSI controller	\$75
DC390U2	32 Bit PCI Ultra-2 SCSI controller	\$129
DC390U2W	32 Bit PCI Ultra-2 SCSI Dual Channel controller	\$139
DC390U3W	1 Ultra 160 Channel & 1 Ultra Wide channel kit	\$189

PROMISE TECHNOLOGY, INC.

ULTRA66	PCI, Supports Ultra-66 IDE drives	\$23
ULTRA100	PCI, Supports Ultra ATA-100 drives	\$37
FASTTRAK66	PCI, Supports Ultra ATA-66 IDE drives	\$63
FASTTRAK100	PCI, Supports ULTRA ATA-100 RAID 0+1	\$89

Call for this month's special bundle deals - or for up-to-the-minute deals, go to www.dirtcheapdrives.com for the very best prices and products in the industry.

Sales lines open:
Mon - Fri 7-8,
Sat 9-3 CST

1-800-475-7476

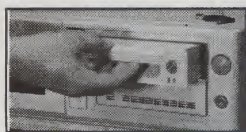
DIRT CHEAP DRIVES

We're not just drives anymore!

Three Time
Winner Of The
"Best Place To
Buy" Award!



DATAPORT



Have you been wondering if your data is secure while you're away from your desk or surfing the web? The solution is simple. Take your hard drive with you when you go. No more security worries. No more files left behind. Just put your drive in a padded carrying case whenever you're away from your PC. Great for security, portability, data interchange, RAID configurations, etc. With DataPort™ you can take it with you when you go.

Keep your data secure by turning any 3 1/2" drive into a removable.

DATAPORT™ SYSTEM INCLUDES:

1. **Frame** — Installs into your 3 1/2" drive bay &
2. **Cartridge** — Holds your internal drive allowing it to slip in and out of the bay on the installed frame.

DATAPORT V

High quality construction. Gold plated connections. Features built in cooling fan, SCSI ID switch. Metal frame construction. Plastic cartridge with metal top and bottom covers.

COMPLETE KIT	PLATINUM	BLACK
Includes 1 frame, and 1 cartridge		
IDE 66 w/ plastic cartridge (DP2200A66)	\$79	N/A
IDE 66 w/ metal cartridge (DP2200AM66)	\$87	\$96
Ultra Wide SCSI (DP2200UW)	\$105	N/A

EXTRA CARTRIDGE

Plastic IDE 66 (DPACART66)	\$42	N/A
Metal IDE 66 (DPACARTM66)	\$50	\$60
Ultra Wide SCSI (DPUWCART)	\$61	N/A

EXTRA FRAME

IDE 66 (DPFRAME66)	\$44	
Ultra Wide SCSI (DPUWFRAME)	\$51	

Call for DataPort IV, VI, VII, and VIII DataPort™ Padded Carrying case

Fits all removable cartridges. Great for safe transportation and storage once the cartridge is removed. Professional Aluminum Case (DPCASEM) **\$49**

Go To www.dirtcheapdrives.com/dataport.

CD ROM DRIVES

SCSI CD ROM

Speed	Brand	Model	ms	Buffer	Int	Ext
32X	TEAC	CD532S	85	128K	\$72	\$132
40X	NEC	CDR3010	85	256K	\$67	\$127
40X	PLEXTOR	PX40TS (TRAY)	85	512K	\$87	\$147
52X	KENWOOD	UCR415	90	2MB	\$139	\$199

WIDE SCSI CD ROM

40X	Plextor	PX40TSUW	85	512K	\$99	\$189
	Pioneer	24x 6 Disk external CD changer (DRM6324X)				\$407

IDE CD ROM

40X	Teac	CD540E	85	128K	\$43	
48X	Mitsumi	CRMCFX48X	65	256K	\$39	
52X	Creative	SBCD52	100	256K	\$37	
56X	Acer	CD656A	85	128K	\$39	
72X	Kenwood	UCR421	100	2MB	\$92	

CD ROM ACCESSORIES

Buy a CD drive & sound card & get a FREE audio cable.	
Sound Blaster Live MP3+ 5.1 (SB006003002)	\$95
Sound Blaster Live X-Gamer 5.1 (SB006003001)	\$95
Sound Blaster 512 (SBPCIS12)	\$65
Sound Blaster Platinum 5.1 (SB006003000)	\$189
IDE CD ROM case with card and cable (HOTPORT)	\$99
IDE CD ROM case for parallel printer port (PPCASECD)	\$55
IDE CD ROM case for PCMCIA port (PCMCIACD)	\$105
CD Driver software for Mac (RAPIDPD)	\$8
CD Caddies (CDCADDY) 5-19/20+	\$5/\$4
For the very best in CD Drives - Call us. We are #1 in the US.	

CD-RW DRIVES

IDE CD-RW Drives Call for free software-&-media-with-drive deals.

Acer 12x8X32 IDE	(CRW1208A)	\$145
Creative 12x10X32 IDE	(CDRW121032)	\$223
Plextor 12x10x32 IDE	(PXW121032R)	\$225
Teac 12x10x32 IDE	(CDW512E/KIT)	\$205
Plextor 16x10x40 IDE	(PXW1610TAR)	\$255
Yamaha 16x10x40 IDE	(YCRW2100E)	\$229
Sony 16x10x40 IDE	(CRX168E/A1)	\$189
TDK 16x10x40 IDE	(ACDRW161040)	\$229

SCSI CD-RW Drives

Plextor 12x4x32 Int/Ext	(PXW12432B/X)	\$249/\$309
HP 12x8x32 Int/Ext	(C4506A/X)	\$279/\$339
Plextor 12x10x32 Int/Ext	(PXW1210TSB/X)	\$269/\$329
Yamaha 16x10x40 Int/Ext	(YCRW2100S/X)	\$269/\$329

USB & 1394 CD-RW Drives

Teac 4x4x6 USB Ext. (CDW54EUSB)	\$205
HP 4x4x6 USB Ext. KIT (C4504A)	\$225
Sony 12x8x32 1394 Ext. (CRX1600L/A2)	\$309

We carry a complete selection of CD media! CALL!

CD MEDIA

CD RECORDABLE MEDIA

CD-R 74 in jewel case

16x Budget 5/20/50/100 pack	\$5/\$18/\$42/\$78
16x Standard 5/20/50/100 pack	\$6/\$24/\$56/\$105
16x Platinum 5/20/50/100 pack	\$6/\$24/\$57/\$106

Printable CD-R 74 in jewel case

16x Budget 5/20/50/100 pack	\$4/\$15/\$35/\$66
16x Standard 5/20/50/100 pack	\$7/\$26/\$62/\$115

CD-R 80 80 minute media

16x Budget 5/20/50/100 pack	\$4/\$13/\$32/\$59
-----------------------------	---------------------------

CD REWRITABLE MEDIA

CD-RW 74W in jewel case

4x Budget 5/20/50/100 pack	\$6/\$24/\$56/\$104
4x Standard 5/20/50/100 pack	\$12/\$45/\$107/\$199
10x Standard 5/20/50/100 pack	\$17/\$64/\$150/\$280

CD MASTERING SOFTWARE

Easy-CD Creator 4.0 OEM (EZCDRCRTST) Now supports Mac! \$30*

- Supports Win 95, 98 & NT 4.0. Ask about new version with free DirectCD
*Must be purchased with CD Recorder. - Retail version (EZCDRCRTTL) \$89

Toast CD-ROM Pro

- Supports Macintosh includes Direct CD for Mac
- Retail version of above (TOASTRTL) **\$79**

Gear Replicator (GEAR-REP) Newest Version!

- Supports Win 95, and NT 4.0 **ONLY \$39 with drive purchase!**
- Allows you to copy CD ROM, music CD's, etc

Gear Suite (GEAR-SUITE)

- Supports Win 95, 98 and NT 4.0
- Includes Gear Audio, Replicator, and Web Grabber **\$69**

Gear Pro for UNIX (GEAR-UNIX)

- Compatible with most UNIX workstations **\$1079**

Gear Pro for Windows — New & upgrade versions available \$Call

HYCD Publisher for PC (Windows 3.1, 95, NT) (CDRHYWIN)

- Creates hybrid CDs for PC/Mac/Unix, bootable CDs.
- Includes CD, Copy, Drag and Drop, & music utilities. **\$399**

Creative Digital Research CDR HYCD Publisher for Unix workstations

- Creates standard, hybrid, & bootable CDs for PC/Mac/Unix (CDRHYUNIX) **\$1499**

No one in the US has the selection we have. Call us and you'll find out why we have won so many awards year after year.

Print Your Own CDs!

Premiere Signature III (CDPRINTER3) **\$1069**

Rimage CD DUPLICATORS

With one drive (DTP1120-1P) **\$5329**
With two drives (DTP1120-2P) **\$5799**

Both models include the Signature CD III Printer!

We are the #1 supplier in the US for CD and DVD Recorders, ReWriters, Media, Towers, Duplicators, and Printers, and supplies. Need a custom configuration? No problem, call us with your needs.

DVD DRIVES

Pioneer

- 16X DVD reader, 95ms
- 40X CD ROM, 80ms
- Bare IDE Drive tray load (Also avail as slot load) (DVD116) **\$85**
- 16X DVD reader, 95ms • 40X CD ROM, 80ms
- Bare IDE Drive slot load (DVD106) **\$89**
- 10X DVD reader, 120ms • 40X CD ROM, 90ms
- Bare SCSI Drive slot load (DVD305) **\$119**
- DVD Recorder, DVD-R write 1x, DVD-R read 2x, 4MB buffer, Inc. write, DVD software + 3 DVD disks (DVR5201) **\$3989**

Dirt Cheap Drive Kit

- 16X kit complete with MPEG-2 decoder
- 16X DVD reader, 95ms • 40X CD ROM, 80ms
- IDE interface • Supports CDR and CD-RW media Complete Kit (DVD16KIT) **\$145**

Creative DVD Kit

- Encore DVD 12X kit includes:
130ms 12X DVD drive
• Reads CDs at 40X, 110ms
• MPEG-2 decoder
• DVD Titles (CLDVD12KIT) **\$145**

Toshiba

- 16X DVD reader, 90ms • 48X CD ROM, 80ms
- Bare IDE Drive (SDM1502) **\$85**
- 10X DVD reader, 105ms • 40X CD ROM, 85ms
- Bare SCSI Drive (SDM1401) **\$145**

IDE CDR & DVD-ROM in ONE!

Toshiba Complete Drive Kit (SDR1002) **\$195**

- 4X, 4X Rewrite CD-RW, 4X DVD Read, 24X CD Read

Ricoh Complete Drive Kit (MP9120A) **\$279**

- 12X, 10X Rewrite CD-RW, 8X DVD Read, 32X CD Read

Cendyne Complete Drive Kit (CD1CD0059) **\$279**

- 12X, 10X Rewrite CD-RW, 8X DVD Read, 32X CD Read

DVD-RAM Drives

Toshiba DVD utility software PC or Mac only \$59

- DVD-RAM 1X, 190ms
- DVD-ROM 2x, 210 ms
- CD-ROM 24x, 140ms
- CDR-W 16X
- 2MB buffer
- Reads DVD-ROM, DVD-R, DVD Video, Video CD, CD-ROM, CED Audio, CD-R and CD-RW disks.
- Bare IDE drive (SDW2002) **\$459**

Hitachi

- DVD-RAM 1x, 210ms
- DVD-ROM 2x, 165ms
- CD-ROM 24x, 140ms
- 2MB buffer
- Reads DVD-ROM, DVD-R, CD-RW, and PD disks.

SCSI bare drive (GF2050)

\$495

IDE bare drive (GF2000)

\$479

DVD RAM MEDIA

5.2 media (DVD-RAMDISK) 1-4/5-9/10+ **\$33/\$31/\$29**

DVD utility software for PC (DVD5FTP-NT) for Mac (DVD5FTMAC) **\$59**

DVD ACCESSORIES

SIGMA DESIGNS HOLLYWOOD

- Best Selling PCI Based MPEG-2 decoder board (HOLLYWOOD) **\$55**

WAVELINK PC TO TV TRANSMITTER

- View DVD movie titles on TV without the use of wires. 2.4GHz signal penetrates walls, floors, and ceilings. Operates up to 300 feet away. Sends and receives crisp color and stereo audio. Also works with many other video/audio sources. (PCTOTV) **\$89 or \$84 with any DVD drive purchase.**

www.dirtcheapdrives.com/dvd

DIRT CHEAP DRIVES

SALES HOURS

M-F 7am - 8pm, Sat 9am-3pm CST
Product information & secure ordering available at www.dirtcheapdrives.com

NEVER A SURCHARGE!

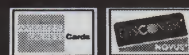
We are a major supplier to Government & Educational Organizations, Fortune 1000 Corporations and other leading Institutions. PO's and Bids accepted.

DIRT CHEAP DRIVES

3716 Timber Drive, Dickinson, Texas 77539
Fax: (281) 534-6452 • Order Inquiry (800) 473-0976
Local (281) 534-4140 • Tech Support (281) 534-6292
USA sales only. No international orders.

5/2001. For complete terms & policies, see our website's checkout stand. Entire contents ©2001 Dirt Cheap Drives.

www.dirtcheapdrives.com



Advertisers

Bold type indicates computershopper.com advertiser.
For more detailed information about our advertisers,
go to cgi.zdnet.com/slink?8145.

A Matter of Fax Inc.....187	Cougar Mountain Software.....6	Jinco.com.....197	posdirect.net.....188
ABS Computer Technologies.....7	Crichlow Data Sciences.....190	Kahlon, Inc.....214	Prostar Computer.....56, 57, 83
Acer America.....144, 145	Crucial Technology.....4, 5, 216	Kingston Technology.....169	Safeware, The Insurance Agency, Inc.....70,
Adamant Computers.....119, 199	Cyberpower, Inc.....147, 171	Logicube, Inc.....191	71
Adtech Systems, Inc.....191	dataVis.com (datavision).....74, 75	Marine Park Computers.....148, 149	Sager.....21 - 25, 62, 63
Alienware.....168	Dell Computer Corp.....36, 37, 58,	McAfee.....43	Samsung.....133
AMD.....65	59, 77, 152, 153, 164, 165, 178 - 180,	Megahaus.....174, 175	shoptoshiba.com.....18, 19
American Microsystems.....189	236, C5 - C8	Memory 4 Less.....210	Symantec.....87
Atlas Micro.....54, 55, 103	Dirt Cheap Drives.....220 - 224	Memory Man.....225	Sony ITA Direct.....67, 69
AV Marketplace.....191	Etronics.com.....32	Micro Pro.....51, 207 - 209	Spartan Tech......162, 163
BigClearance.com.....176, 190	Ever Han Corp.....197	Monarch Computer.....85	Thompson Computer Warehouse ..201
Caliber Computer Corporation ...194, 195	Gateway 2000.....45 - 50	Motherboard Express.....213	Thortek.....205
Case Depot.....200	Harmony Computer.....172	Nurol Corporation.....188	Tiny Computers.....73, 111
CDW Computer Centers, Inc. ...13 - 16,	Hyundai.....2	Nutrend.....127	Tristate.....173
81, 150	HP.....88, 89, 91, 93, 95	P.O.S. International.....190	True Data Products.....196
Compaq Computer Corporation...COV 2 -	IBM Corporation.....8, 10, 11,	PC America.....167	Ulead Systems.....120
COV 4, 1, 28, 29, 109	125, 126, 136, 137	PC Mail.....52, 53	United Micro.....101
Comp Direct.....143	iBUYPOWER.....138, 139	PC Progress.....226, 227	Winbook Computer Corporation.....79
Computer Gate International.....154	Interpro.....198	Plextor.....73	



Keep your data secure by turning any 3 1/2" drive into a removable. DataPort™ System includes:

1. **Frame** — Installs into your 3 1/2" drive bay **AND**
2. **Cartridge** — Holds your internal drive allowing it to slip in and out of the bay on the installed frame.

DATAPORT V

High quality construction with gold plated connections, built in cooling fan, SCSI ID switch, metal frame construction & plastic cartridge with metal top & bottom covers.

COMPLETE KIT

Includes 1 frame, and 1 cartridge	PLATINUM	BLACK
IDE 66 w/plastic cartridge (DP2200A66)	\$79	N/A
IDE 66 w/metal cartridge (DP2200AM66)	\$87	\$96
Ultra Wide SCSI (DP2200UW)	\$105	N/A

EXTRA CARTRIDGE

Plastic IDE 66 (DPACART66)	\$42	N/A
Metal IDE 66 (DPACARTM66)	\$50	\$60
Ultra Wide SCSI (DPUWCART)	\$61	N/A

EXTRA FRAME

IDE 66 (DPAFRAME66)	\$44
Ultra Wide SCSI (DPUWFRAME)	\$51

CD MEDIA

Nobody Beats us for Price, Quality, and Availability on: CD RECORDABLE MEDIA

CDR-74 in jewel case

- 16x Budget 5/20/50/100 pack \$5/\$18/\$42/\$78
- 16x Standard 5/20/50/100 pack \$6/\$24/\$56/\$105
- 16x Platinum 5/20/50/100 pack \$6/\$24/\$57/\$106

Printable CDR-74 in jewel case

- 16x Budget 5/20/50/100 pack \$4/\$15/\$35/\$66
- 16x Standard 5/20/50/100 pack \$7/\$26/\$62/\$115

CDR-80 80 minute media

- 16x Budget 5/20/50/100 pack \$4/\$13/\$32/\$59

CD REWRITABLE MEDIA

CDR-74W in jewel case

- 4x Budget 5/20/50/100 pack \$6/\$24/\$56/\$104
- 4x Standard 5/20/50/100 pack \$12/\$45/\$107/\$199
- 10x Standard 5/20/50/100 pack \$17/\$64/\$150/\$280

SCSI CD REWRITABLES

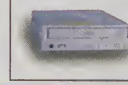
For almost 14 years, we have been the #1 Source in the US for storage products. These CDRW deals are just a sampling - Call US! - you will see why we are the Shopper's Choice.



Plextor
12x4x32 SCSI
Int. (PXW12432B) \$249
Ext. (PXW12432BX) \$309



Hewlett Packard
12x8x32 SCSI
Int. (C4506A) \$279
Ext. (C4506AX) \$365



Yamaha
16x10x40 SCSI
Int. (YCRW2100S) \$269
Ext. (YCRW2100SX) \$329

IDE CD REWRITABLES



16x10x40 IDE
Int. (CRX168E/AT) \$189
With software, 1 R & 1 RW disk



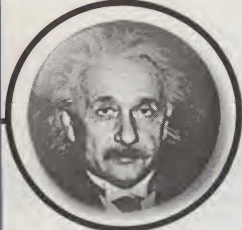
12x10x32 IDE
Int. (MP7120A) \$185
With software, 1 R & 1 RW disk



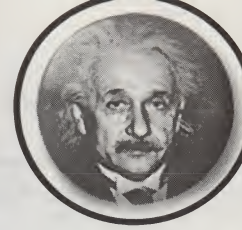
For complete terms & policies, see our website's checkout stand. ©2001 Dirt Cheap Drives.



www.dirtcheapdrives.com/shop 1-800-525-0360
SALES HOURS (CST): MON - FRI: 7AM - 8PM, SAT: 9AM - 3PM "WE APPRECIATE YOUR BUSINESS!"



MEMMAN.COM



DESKTOP MEMORY

SDRAM 168-Pin 3.3 Volt Unbuffered with Gold Contacts
SIMMS 72-PIN & 30-PIN
DDR PC2100

128MB	16X64 DDR	\$182
256MB	32X64 DDR	\$363

PC100 SDRAM 100MHz

64MB	8X64-100	\$29
128MB	16X64-100	\$54
256MB	32X64-100	\$107

PC100 ECC SDRAM 100MHz

64MB	8X72-100 ECC	\$35
128MB	16X72-100 ECC	\$67
256MB	32X72-100 ECC	\$127

VIRTUAL CHANNEL MEMORY PC133MHz

128MB	16X64-133	\$97
-------	-----------	------

PC100 CAS 2 SDRAM 100MHz

128MB	16X64-100 CAS 2	\$59
256MB	32X64-100 CAS 2	\$115

PC100 CAS 2 ECC SDRAM 100MHz

128MB	16X72-100 CAS 2	\$77
256MB	32X72-100 CAS 2	\$137

PC133 SDRAM 133MHz

64MB	8X64-133	\$29
128MB	16X64-133	\$49
256MB	32X64-133	\$95

CORSAIR MEMORY Value Select

64MB	PC100	\$33
64MB	PC133	\$33
128MB	PC100	\$60
128MB	PC100 CAS2	\$82
128MB	PC133	\$62
256MB	PC133	\$132

NON-PARITY 72 PIN-60

4MB	1X32	\$12
8MB	2X32	\$15
16MB	4X32	\$33
32MB	8X32	\$65

EDO 72 PIN-60

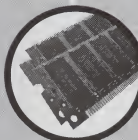
4MB	1X32 EDO	\$12
8MB	2X32 EDO	\$15
16MB	4X32 EDO	\$35
32MB	8X32 EDO	\$65

TRUE PARITY 72 PIN-60

8MB	2X36-60	\$19
16MB	4X36-60	\$40
32MB	8X36-60	\$80

30-PIN MEMORY

4MB	LOGIC PARITY	\$13
4MB	TRUE PARITY	\$18


IMPORTANT

Due to market conditions, prices in this ad may have increased or decreased. Please check our website for up to the minute prices at www.memman.com

PROCESSORS

B = 133MHz 512K Cache
E = 100MHz 256K Cache Coppermine
EB = 133MHz 256K Cache Coppermine

Intel Pentium® III Slot 1

Intel PIII-550	\$134
Intel PIII-600E	\$115
Intel PIII-650E	\$125
Intel PIII-667EB	\$130
Intel PIII-700E	\$155
Intel PIII-733EB	\$160
Intel PIII-750E	\$165
Intel PIII-800EB	\$185
Intel PIII-850E	\$195
Intel PIII-866EB	\$215
Intel PIII-933EB	\$250
Intel PIII-1GHzEB	\$310

Intel Pentium® III Socket 370 Flip Chip

Intel PIII-550E	\$126
Intel PIII-667EB	\$130
Intel PIII-700E	\$155
Intel PIII-733EB	\$165
Intel PIII-750E	\$170
Intel PIII-800E	\$185
Intel PIII-800EB	\$190
Intel PIII-850E	\$205
Intel PIII-866EB	\$210
Intel PIII-933EB	\$255
Intel PIII-1GHzEB	\$305

Intel Pentium® 4 Socket 370

Intel P4 1.4GHz	\$499
Intel P4 1.5GHz	CALL

Intel Celeron® Socket 370/FCPGA

Intel Celeron 533 FCPGA	\$64
Intel Celeron 566 FCPGA	\$66
Intel Celeron 600 FCPGA	\$68
Intel Celeron 633 FCPGA	\$71
Intel Celeron 667 FCPGA	\$74
Intel Celeron 733 FCPGA	\$110

AMD-K6™ / K7™ Athlon™ Processors

AMD-K6-2 500MHz Processor	\$47
AMD-K6-2 533MHz Processor	\$49
AMD-K6-2 550MHz Processor	\$58
AMD-K7 Athlon™ 650MHz Processor	\$79
AMD-K7 Athlon™ 700MHz Processor	\$89
AMD-K7 Athlon™ 750MHz Processor	\$99
AMD-K7 Athlon™ 800MHz Processor	\$110
AMD-K7 Athlon™ 850MHz Processor	\$120
AMD-K7 Athlon™ 900MHz Processor	\$125
AMD-K7 Athlon™ 950MHz Processor	\$175
AMD-K7 Athlon™ 1GHz Processor	\$199

AMD Duron™ Processors

AMD Duron™ 600MHz Processor	\$51
AMD Duron™ 650MHz Processor	\$52
AMD Duron™ 700MHz Processor	\$62
AMD Duron™ 750MHz Processor	\$72

AMD Thunderbird Processors

AMD TBIRD 750MHz Processor	\$79
AMD TBIRD 800MHz Processor	\$109
AMD TBIRD 850MHz Processor	\$120
AMD TBIRD 1GHz Processor	\$199

NOTEBOOK MEMORY

	8MB	16MB	32MB	64MB BATTERY
ACER				
Light 350, E, 352, 355, 763-880 Series	\$26	\$45		\$149
760i, 760ic	\$26	\$45		N/A
COMPAQ				
Contura 4/25 C, 4/25, 4/25CX		\$64		\$119
Contura AERO Series	\$45	\$66		\$119
Contura 400/10/20/30 Series	\$45	\$66		\$119
Presario 1600 Series	\$39	\$22	\$40	\$140
Presario 1200 Series	\$39	\$22	\$40	\$140
Presario 1010/20/30/60/65/70/75/80	\$53	\$91		CALL
DELL				
Latitude 433m-475mc Series		\$67		\$119
Latitude LX Series 410D/T/4750		\$67		\$119
Latitude XP/XPI Series	\$24	\$45	\$60	\$219
Latitude LM Series		\$55	\$90	\$118
IBM				
Think Pad 345/355/360 Series	\$47	\$69		\$119
Think Pad 365X/XD Series		\$49	\$59	\$119
Think Pad 760EX/ED/E/EL/XD/XL Series		\$49	\$59	\$145
Think Pad 750-755 Series		\$101	\$155	\$169
NEC				
Ultra Lite Versa Series		\$78		\$134
Versa M/P 4000 Series		\$78	\$117	CALL
Versa 6000 Series		\$75	\$107	N/A
SHARP				
PC-3010/20/40/50/60 Series	\$26	\$45		\$145
PC-87/88/8900 Series		\$72		\$132
PC-9040/70 Series	\$26	\$45		N/A
PC-9000 Series		\$77	\$117	\$145
TOSHIBA				
T2100 Series	\$34	\$55	\$85	N/A
T1900/46/47/48/4900 Series	\$50	\$70		N/A
Satellite Pro 100/200/400 Series	\$52	\$64	\$104	N/A
Satellite Pro 300/500/2500 Series		\$57	\$59	\$113
Tecra 750/780 Series		\$57	\$59	\$113
Tecra 8000 Series		\$22	\$39	\$75



HARD DRIVES

WESTERN DIGITAL U66/U100

10.0 GB U100	5400RPM	\$99
20.0 GB U66	5400RPM	\$105
30.0 GB U66	5400RPM	\$112
30.0 GB U100	7200RPM	\$121
45.0 GB U66	5400RPM	\$139

IBM U100

30.7 GB	7200RPM	\$150
45 GB	7200RPM	\$170
60 GB	7200RPM	\$277
75 GB	7200RPM	\$370

Memory Man

5440 Moures St., Suite 112
New Orleans, LA 70123

Toll-Free: 1-800-854-0067

Phone: (504) 818-2717

Fax: (504) 818-2820

Monday-Friday

8:30am-5:30pm, CST

No walk-in business

1-800-854-0067

www.memman.com

Shipping and handling charges are not included in prices. 15-day money back guarantee less shipping & handling charges. Credit is issued at the invoiced price or the current internet price, whichever is lower. Prices are firm at the time of order placement. Prices are subject to change without notice. Memory Man is not responsible for typographical errors. 30-day warranty on OEM CPUs. Lifetime Warranty on memory. No credit issued after 15 days of invoice date.



LIFETIME WARRANTY ON ALL MEMORY MODULES
We Accept APO/FPO Orders
No International Orders Accepted
Gov./Edu./Corp. P.O.s and
Prepaid Checks Accepted No C.O.D.s

MOTHERBOARDS

ABIT-		www.abit-usa.com						
SKU	CPU	PCI	ISA	AGP	MEM	STYLE	PRICE	
ABVL6	SOCKET 370	5	1	1	3/168	ATX	\$84	
ABBX133-RAID	SOCKET 370	5	1	1	3/168	ATX	\$122	
ABSL6	SOCKET 370	6	CNR	1	3/168	ATX	\$123	
ABKA7	SOCKET A	6	1	1	4/168	ATX	\$125	
ABBEI1-RAID	SLOT 1	5	1	1	3/168	ATX	\$125	
ABSE6	SOCKET 370	6	CNR	1	3/168	ATX	\$133	
ABKT7	SOCKET A	6	1	1	3/168	ATX	\$134	
ABSH6	SLOT 1	6	CNR	1	4/168	ATX	\$136	
ABKA7-100	SOCKET A	6	1	1	4/168	ATX	\$139	
ABKT7A	SOCKET A	6	1	1	3/168	ATX	\$147	
ABKT7-RAID	SOCKET A	6	1	1	3/168	ATX	\$152	
ABSA6R	SOCKET 370	6	CNR	1	4/168	ATX	\$152	
ABVP6	DUAL 370	5	1	1	4/168	ATX	\$155	
ABKT7A-RAID	SOCKET A	6	1	1	3/168	ATX	\$162	
ASUS		www.asus.com						
SKU	CPU	PCI	ISA	AGP	MEM	STYLE	PRICE	
ASP3V133	SLOT 1	4	3	1	3/168	ATX	\$92	
ASCUV4X-C	SOCKET 370	5		1+AMR	2/168	ATX	\$96	
ASCUV4X	SOCKET 370	5	1	1	3/168	ATX	\$109	
ASP3V4X	SLOT 1	6	1	1	4/168	ATX	\$112	
ASCUVX-E	SOCKET 370	6	1	1	4/168	ATX	\$112	
ASP3CE	SLOT 1	5	1	1	2/RIMM	ATX	\$112	
ASAT7PRO	SOCKET A	5		1+AMR	3/168	ATX	\$117	
ASUSL2-C	SOCKET 370	6	2CNR	1	3/168	ATX	\$119	
ASATV-WOA	SOCKET A	5		1+AMR	3/168	ATX	\$139	
ASUSL2	SOCKET 370	6	2CNR	1	3/168	ATX	\$139	
ASCUV4X-V	SOCKET 370	5	1	1+AMR	3/168	ATX	\$141	
ASATV133	SOCKET A	4		1+AMR	3/168	ATX	\$147	
ASCUV4X-D	DUAL 370	5	1	1	4/168	ATX	\$156	
ASATM266	SOCKET A	4		1+AMR	2DDR	ATX	\$189	
ASP4T	P4	5	1	1	4/RIMM	ATX	\$197	
ASP2BD	DUAL SLOT 1	4	2	1	4/168	ATX	\$264	
ASCUV4X-DLS	DUAL 370	5	1	1	4/168	ATX	\$312	
ASP3CD	DUAL SLOT 1	5	1	1	3/RIMM	ATX	\$359	
ASP3CS	SLOT 1	5	1	1	2/RIMM	ATX	\$392	
ASP3CLS	SLOT 1	5	1	1	2/RIMM	ATX	\$454	
ASCUR-DLS	DUAL 370	7		ASMS	4/168	ATX	\$664	
FIC		www.fica.com						
SKU	CPU	PCI	ISA	AGP	MEM	STYLE	PRICE	
FICVA-503+	SOCKET 7	3	3	1	3/168	AT	\$69	
FICFA13	SOCKET 370	5	2	1	3/168	ATX	\$76	
FICFA11	SOCKET 370	5	2	1	3/168	ATX	\$80	
FICFB11	SOCKET 370	5	2	1	3/168	ATX	\$82	
FICAZ11	SOCKET A	5	1	1	3/168	ATX	\$87	
FICAZ11E	SOCKET A	5	1	1	3/168	ATX	\$93	
FICAD11	SOCKET A	5	1	1+CNR	2DDR	ATX	\$162	
intel		www.intel.com						
SKU	CPU	PCI	ISA	AGP	MEM	STYLE	PRICE	
INVC820WA	SLOT 1	5	1	AMR	2/RIMM	ATX	\$41	
IND815EEA	SOCKET 370	5		CNR	3/168	ATX	\$126	
IND815EEAL	SOCKET 370	5	LAN		3/168	ATX	\$136	
IND850GB	P4	5		1	4/RIMM	ATX	\$209	
IND850GBAL	P4	5	LAN	1	4/RIMM	ATX	\$229	
MICROSTAR		www.msi.computer.com						
SKU	CPU	PCI	ISA	AGP	MEM	STYLE	PRICE	
MIC815EPRO	SOCKET 370	6		CNR	4/168	ATX	\$99	
MICK7TPRO2-A	SOCKET A	6		1+CNR	3/168	ATX	\$105	
MIC815EPPRO	SOCKET 370	6		1+CNR	4/168	ATX	\$117	
MICK7TTURBO	SOCKET A	6		1+CNR	3/168	ATX	\$122	
MICK7TPRO-100	SOCKET A	6		1	3/168	ATX	\$124	
MIC694DPRO-AR	DUAL 370	5		1+CNR	4/168	ATX	\$127	
MICK7TTURBO-R	SOCKET A	6		1+CNR	3/168	ATX	\$137	
MIC850PRO	P4	5		1+CNR	4/RIMM	ATX	\$199	
MICK7TMAST	SOCKET A	6		1+CNR	4/168	ATX	\$246	
GIGABYTE		www.giga-byte.com						
SKU	CPU	PCI	ISA	AGP	MEM	STYLE	PRICE	
GBGA-6VXE+	SLOT 1	5	2	1	3/168	ATX	\$81	
GBGA-7IXE	SLOT A	5	2	1	3/168	ATX	\$81	
GBGA-6VXE7+	SOCKET 370	5	2	1	3/168	ATX	\$82	
GBGA-6VA7+	SOCKET 370	4	2	1	3/168	AT	\$82	
GBGA-6VX7-4X	SOCKET 370	5	1	1	3/168	ATX	\$82	
GBGA-7IXE4	SOCKET A	5	2	1	3/168	ATX	\$91	
GBGA-72M	SOCKET A	3	AMR	1	3/168	MATX	\$97	
GBGA-72X-1	SOCKET A	5	1	1+AMR	3/168	ATX	\$107	
GBGA-72X	SOCKET A	5	1	1+AMR	3/168	ATX	\$117	
GBGA-72XR	SOCKET A	5	1	1+AMR	3/168	ATX	\$146	
GBGA-6VXD7	DUAL 370	5	1	1	4/168	ATX	\$169	
GBGA-70XC	SOCKET A	5	AMR	1	2DDR	ATX	\$172	
GBGA-7DX	SOCKET A	5		1+AMR	2DDR	ATX	\$199	
GBGA-8TX	P4	5	CNR	1	4/RIMM	ATX	\$214	

PROCESSORS

ALL CPUs HAVE A 1 YEAR WARRANTY WHEN PURCHASED WITH A CPU FAN.

SKU	CPU	PRICE
INTEL CELERON-A FCPGA	566MHZ 128K	\$57
INTEL CELERON-A FCPGA	600MHZ 128K	\$65
INTEL CELERON-A FCPGA	633MHZ 128K	\$67
INTEL CELERON-A FCPGA	667MHZ 128K	\$74
INTEL CELERON-A FCPGA	700MHZ 128K	\$78
INTEL CELERON-A FCPGA	733MHZ 128K	\$85
INTEL CELERON-A FCPGA	766MHZ 128K	\$105
INTEL CELERON-A FCPGA	800MHZ 128K	\$117
INTEL PENTIUM III 133MHZ BUS	667MHZ 256K FCPGA	\$121
INTEL PENTIUM III 100MHZ BUS	650MHZ 256K FCPGA	\$135
INTEL PENTIUM III 100MHZ BUS	700MHZ 256K FCPGA	\$137
INTEL PENTIUM III 133MHZ BUS	733MHZ 256K FCPGA	\$139
INTEL PENTIUM III 100MHZ BUS	750MHZ 256K FCPGA	\$140
INTEL PENTIUM III 133MHZ BUS	800MHZ 256K FCPGA	\$166
INTEL PENTIUM III 100MHZ BUS	800MHZ 256K FCPGA	\$167
INTEL PENTIUM III 100MHZ BUS	850MHZ 256K FCPGA	\$192
INTEL PENTIUM III 133MHZ BUS	866MHZ 256K FCPGA	\$192
INTEL PENTIUM III 133MHZ BUS	933MHZ 256K FCPGA	\$226
INTEL PENTIUM III 133MHZ BUS	1000MHZ 256K FCPGA	\$246
INTEL PENTIUM III 100MHZ BUS	1000MHZ 256K FCPGA	\$249
INTEL PENTIUM III 100MHZ BUS	650MHZ 256K SECC	\$112
INTEL PENTIUM III 133MHZ BUS	667MHZ 256K SECC	\$115
INTEL PENTIUM III 100MHZ BUS	700MHZ 256K SECC	\$129
INTEL PENTIUM III 133MHZ BUS	733MHZ 256K SECC	\$138
INTEL PENTIUM III 100MHZ BUS	750MHZ 256K SECC	\$139
INTEL PENTIUM III 100MHZ BUS	800MHZ 256K SECC	\$169
INTEL PENTIUM III 133MHZ BUS	800MHZ 256K SECC	\$169
INTEL PENTIUM III 100MHZ BUS	850MHZ 256K SECC	\$194
INTEL PENTIUM III 133MHZ BUS	866MHZ 256K SECC	\$199
INTEL PENTIUM III 133MHZ BUS	933MHZ 256K SECC	\$232
INTEL PENTIUM III 100MHZ BUS	1000MHZ 256K SECC	\$262
INTEL PENTIUM III 133MHZ BUS	1000MHZ 256K SECC	\$264
INTEL PENTIUM 4 400MHZ BUS	1300MHZ 256K SOCKET423	\$329
INTEL PENTIUM 4 400MHZ BUS	1400MHZ 256K SOCKET423	\$374
INTEL PENTIUM 4 400MHZ BUS	1500MHZ 256K SOCKET423	\$574
SKU	CPU	PRICE
AMD K6 II W/3D NOW	100 MHZ BUS	\$30
AMD K6 II W/3D NOW	100 MHZ BUS	\$41
AMD K6 II W/3D NOW	95 MHZ BUS	\$46
AMD K6 III W/3D NOW	95MHZ BUS	\$49
AMD K6 II W/3D NOW	100 MHZ BUS	\$61
AMD K6 III W/3D NOW	100MHZ BUS	\$62
AMD DURON	200 MHZ BUS	\$50
AMD DURON	200 MHZ BUS	\$52
AMD DURON	200 MHZ BUS	\$54
AMD DURON	200 MHZ BUS	\$67
AMD DURON	200 MHZ BUS	\$83
AMD K7 SLOT A TBIRD	200 MHZ BUS	\$78
AMD K7 SLOT A TBIRD	200 MHZ BUS	\$90
AMD K7 SLOT A TBIRD	200 MHZ BUS	\$114
AMD K7 SLOT A TBIRD	200 MHZ BUS	\$139
AMD K7 SOCKET A TBIRD	200 MHZ BUS	\$88
AMD K7 SOCKET A TBIRD	200 MHZ BUS	\$109
AMD K7 SOCKET A TBIRD	200 MHZ BUS	\$115
AMD K7 SOCKET A TBIRD	200 MHZ BUS	\$133
AMD K7 SOCKET A TBIRD	200 MHZ BUS	\$149
AMD K7 SOCKET A TBIRD	200 MHZ BUS	\$177
AMD K7 SOCKET A TBIRD	266 MHZ BUS	\$177
AMD K7 SOCKET A TBIRD	200 MHZ BUS	\$212
AMD K7 SOCKET A TBIRD	266 MHZ BUS	\$212
AMD K7 SOCKET A TBIRD	200 MHZ BUS	\$232
AMD K7 SOCKET A TBIRD	266 MHZ BUS	\$232
AMD K7 SOCKET A TBIRD	200 MHZ BUS	\$282
AMD K7 SOCKET A TBIRD	266 MHZ BUS	\$282

NETWORKING

SKU	CPU	PRICE
3C905BTXNM	ETHERNET RJ45 10/100BT NO REMOTE WAKE PCI	\$41
3C905CTXM	ETHERNET RJ45 10/100BT W/REMOTE WAKE PCI	\$43
3C905CX-TXNM	ETHERNET RJ45 10/100XL NO REMOTE WAKE PCI	\$42
3C905CX-TXNM	ETHERNET RJ45 10/100XL W/REMOTE WAKE PCI	\$44
3C900B-COMBO	ETHERNET RJ45/COAX/10BT/BNC/AUI PCI	\$61
EDIMAX NETWORKING PRODUCTS	www.edimax.com	
EDEN2000PXA	ETHERNET RJ45/10BT/BNC/AUI ISA FULL DUPLEX	\$17
EDEN5200PXA	ETHERNET RJ45/10BT/BNC/AUI PCI FULL DUPLEX	\$18
EDEN9130	ETHERNET RJ45 10/100 PCI	\$24
EDER5394SR	NETWORK HUB 5 PORT 10BASE-T	\$35

MEMORY

SKU	CPU	PRICE
16MB	4X32 EDO	\$22
32MB	8X32 EDO	\$45
64MB	16X32 EDO	\$43
128MB	32X32 EDO	\$112
72-PIN EDO		
64MB	8X64	\$82
64MB	8X72 (unbuffered)	\$92
64MB	8X72 (buffered)	\$107
128MB	16X64	\$159
128MB	16X72 (unbuffered)	\$179
128MB	16X72 (buffered)	\$194
256MB	32X72 (buffered)	\$399
168-PIN LONG DIMMS EDO		
64MB	8X64	\$82
64MB	8X72 (unbuffered)	\$92
64MB	8X72 (buffered)	\$107
128MB	16X64	\$159
128MB	16X72 (unbuffered)	\$179
128MB	16X72 (buffered)	\$194
256MB	32X72 (buffered)	\$399
168-PIN LONG DIMMS SDRAM WITH EPROM (66MHz)		
32MB	4X64	\$13
64MB	8X64	\$25
128MB	16X64	\$44
168-PIN SDRAM PC100/133		
32MB	4X64	\$11
64MB	8X64	\$17
64MB PC133	8X64	\$18
64MB	8X72	\$21
128MB	16X64	\$31
128MB PC133	16X64	\$30
128MB	16X72	\$42
128MB PC133	16X72	\$43
256MB	32X64	\$65
256MB PC133	32X64	\$61
256MB	32X72	\$74
256MB PC133	32X72	\$74
512MB	64X72	\$232
512MB PC133	64X64	\$288
512MB PC133	64X72	\$340
1024MB PC133128X72	7.5NS	\$899
DDR RAM PC1600/2100		
128MB	16X64	\$86
128MB	16X64	\$114
128MB	16X72	\$97
128MB	16X72	\$125
256MB	32X64	\$168
256MB	32X64	\$212
256MB	32X72	\$181
256MB	32X72	\$234
PC100/133		
CM654S64-BX2	64MB	\$32
CM654S64-BX2	64MB PC133	\$32
CM734S64-BX2	64MB	\$45
CM654S128-BX2	128MB	\$50
CM654S128-BX2	128MB PC133	\$50
CM734S128-BX2	128MB	\$59
CM734S128-BX2	128MB PC133	\$62
CM654S128-133C2	128MB PC133	\$62
CM654S256-BX2	256MB	\$92
CM654S256-133	256MB PC133	\$92
CM724S256-133	256MB PC133	\$98
CM654S256-133C2	256MB PC133	\$98
CM724S256-BX2	256MB	\$109
CM744S512-133	512MB PC133	\$359
CM764S512-100	512MB	\$479
CM744S1024-133	1024MB PC133	\$954
GX CHIPSETS		
CM734S64-GX2	64MB	\$45
CM734S128-GX2	128MB	\$62
CM724S256-GX2	256MB	\$109
CM754S512-GX	512MB	\$724
RAMBUS		
CM618DR128-800	128MB	\$209
CM618DR256-800	256MB	\$414
VALUE SELECT MEMORY PC100/133		
VS64MB100	64MB	\$22
VS64MB133	64MB PC133	\$22
VS128MB100	128MB	\$36
VS128MB133	128MB PC133	\$36
VS256MB100	256MB	\$77
VS256MB133	256MB PC133	\$77
VS256REG133	256MB PC133	\$109

We Now Carry
Notebook & Printer Memory
for All Major Brands!

Shop on-line!!!
<http://www.pcprogress.com>
Call Toll Free! (888) 727-7647

DVD CDROM CDRW

TOSHIBA www.toshiba.com					
MODEL#	SPEED/TRANS	INTERFACE/ACCESS	CACHE	PRICE	
TO48XIDE	48X/7200KB	ATAPI	85MS	256K	\$52
TOSDM14020EM	12X-40X DVD	ATAPI	135/90MS	256K	\$67
TOSDM15020EM	16X-48X DVD	ATAPI	115/95MS	256K	\$74
TOSDR1002KIT	4X/4X/24X	ATAPI	140/105MS	256K	\$179
TOSDW2002KIT	6X-24X/DVDRAM/ATAPI		120MS	8192K	\$439
MITSUMI www.mitsumi.com					
MODEL#	SPEED/TRANS	INTERFACE/ACCESS	CACHE	PRICE	
MIT48XIDE	48X/7200KB	ATAPI	85MS	128K	\$34
MIT48040EM	4X/4X/24X	ATAPI OEM/135MS		2048K	\$83
YAMAHA www.yamaha.com					
MODEL#	SPEED/TRANS	INTERFACE/ACCESS	CACHE	PRICE	
YACRW2100EZKIT	16X/10X/40X	ATAPI	140MS	4096K	\$227
YACRW2100SZKIT	16X/10X/40X	SCSI	140MS	4096K	\$277
SONY www.sony.com					
MODEL#	SPEED/TRANS	INTERFACE/ACCESS	CACHE	PRICE	
SY48XIDE	48X/7200KB	ATAPI	85MS	128K	\$35
SY52XIDE	52X/7800KB	ATAPI	85MS	128K	\$38
SYCRX140EOCH	8X/4X/32X	ATAPI	150MS	4096K	\$119
SYCRX140E/CH	8X/4X/32X	ATAPI	150MS	4096K	\$134
SYCRX160E/CH	12X/8X/32X	ATAPI	150MS	4096K	\$169
SYCRX145S/CH	10X/4X/32X	SCSI	150MS	4096K	\$244
PLEXTOR www.plextor.com					
MODEL#	SPEED/TRANS	INTERFACE/ACCESS	CACHE	PRICE	
PX-W8432TI	8X/4X/32X	ATAPI	160MS	4096K	\$179
PX-W1210TA	12X/10X/32X	ATAPI	150MS	2048K	\$207
PX-W1610TA	16X/10X/40X	ATAPI	150MS	2048K	\$244
PX-W124TSI	12X/4X/32X	SCSI	160MS	4096K	\$304

IDE HARD DRIVES

WESTERN DIGITAL www.wdc.com					
ALL WESTERN DIGITAL IDE DRIVES LISTED HAVE A 3YR WARRANTY					
MODEL#	CAP.(MB)	ACCESS/RPM	CACHE	FORM/HT	PRICE
WD100EB	10200	9.5MS/5400	2048K	3.5"/1"H	\$83
WD200EB	20000	9.5MS/5400	2048K	3.5"/1"H	\$92
WD200AB	20500	8.5MS/5400	2048K	3.5"/1"H	\$94
WD200BB	20000	9 MS/7200	2048K	3.5"/1"H	\$102
WD307AA	30700	9.5MS/5400	2048K	3.5"/1"H	\$105
WD400AB	40000	8.5MS/5400	2048K	3.5"/1"H	\$119
WD300BB	30000	9 MS/7200	2048K	3.5"/1"H	\$122
WD450AA	45000	9.5MS/5400	2048K	3.5"/1"H	\$136
WD400BB	40000	9 MS/7200	2048K	3.5"/1"H	\$142
WD600AB	60000	8.5MS/5400	2048K	3.5"/1"H	\$162
IBM www.ibm.com					
ALL IBM IDE DRIVES LISTED HAVE A 3YR WARRANTY					
MODEL#	CAP.(MB)	ACCESS/RPM	CACHE	FORM/HT	PRICE
IBM307015	15000	8.5MS/7200	2048K	3.5"/1"H	\$105
IBM305030	30000	9.5MS/5400	2048K	3.5"/1"H	\$108
IBM307020	20000	8.5MS/7200	2048K	3.5"/1"H	\$112
IBM305040	40000	9.5MS/5400	2048K	3.5"/1"H	\$113
IBM307030	30000	8.5MS/7200	2048K	3.5"/1"H	\$131
IBM307045	45000	8.5MS/7200	2048K	3.5"/1"H	\$152
IBM307060	60000	8.5MS/7200	2048K	3.5"/1"H	\$200
IBM307075	75000	8.5MS/7200	2048K	3.5"/1"H	\$274
Maxtor www.maxtor.com					
ALL MAXTOR IDE DRIVES LISTED HAVE A 3YR WARRANTY					
MODEL#	CAP.(MB)	ACCESS/RPM	CACHE	FORM/HT	PRICE
MAX204-5400	20400	9.5 MS/5400	2048K	3.5"/1"H	\$92
MAX153-7200	15300	9.5 MS/7200	2048K	3.5"/1"H	\$92
MAX307-5400	30700	9.5 MS/5400	2048K	3.5"/1"H	\$104
MAX204-7200	20400	9.5 MS/7200	2048K	3.5"/1"H	\$108
MAX409-5400	40900	9 MS/5400	2048K	3.5"/1"H	\$119
MAX307-7200	30700	9.5 MS/7200	2048K	3.5"/1"H	\$131
MAX409-7200	40900	9.5 MS/7200	2048K	3.5"/1"H	\$144
MAX461-7200	46100	9.5 MS/7200	2048K	3.5"/1"H	\$156
MAX614-5400	61400	9 MS/5400	2048K	3.5"/1"H	\$184
MAX819-5400	81900	9 MS/5400	2048K	3.5"/1"H	\$242

CONTROLLERS

PROMISE TECHNOLOGY, INC. www.promisetechnology.com			
MODEL#	CAP.(MB)	ACCESS/RPM	PRICE
PRULTRA66	ULTRA ATA66 PCI 4 HARD DRIVE		\$24
PRULTRA100	ULTRA ATA100 PCI 4 HARD DRIVE		\$49
PRFASTRAK100	ULTRA ATA100 RAID PCI		\$82
adaptec www.adaptec.com			
AD2940AUOEM	ULTRA SCSI BUS MSTR 20MB/SEC OEM		\$151
AD2940UWPROOEM	ULTRA 2 PCI 80MB/SEC OEM		\$184
AD29160OEM	ULTRA 2 PCI BUS MSTR 160MB/SEC OEM		\$195
AD19160KIT	ULTRA 2 PCI BUS MSTR 160MB/SEC RETAIL		\$214
AD2940U2WOEM	ULTRA 2 PCI BUS MSTR 80MB/SEC OEM		\$219
AD29160KIT	ULTRA 2 PCI BUS MSTR 160MB/SEC RETAIL		\$283

SCSI HARD DRIVES

WESTERN DIGITAL www.wdc.com					
ALL WESTERN DIGITAL SCSI DRIVES LISTED HAVE A 5YR WARRANTY					
MODEL#	CAP.(MB)	ACCESS/RPM	CACHE	FORM/HT	PRICE
WD91FG	9100	6.6MS/10000	2048K	3.5"/1"H	\$137
WDE9150-0050	9100	5.2MS/10000	2048K	3.5"/1"H	\$179
WDE18310-0040	18300	5.2MS/10000	2048K	3.5"/1"H	\$227
WDE18310-0050	18300	5.2MS/10000	2048K	3.5"/1"H	\$232
Seagate www.seagate.com					
ALL SEAGATE SCSI DRIVES LISTED HAVE A 5YR WARRANTY					
MODEL#	CAP.(MB)	ACCESS/RPM	CACHE	FORM/HT	PRICE
ST39236LW	9200	5.8MS/7200	2048K	3.5"/1"H	\$207
ST39216N	9200	5.8MS/7200	2048K	3.5"/1"H	\$217
ST39216W	9200	5.8MS/7200	2048K	3.5"/1"H	\$217
ST39236LWV	9200	5.8MS/7200	2048K	3.5"/1"H	\$222
ST318416N	18400	5.8MS/7200	2048K	3.5"/1"H	\$314
ST318416W	18400	5.8MS/7200	2048K	3.5"/1"H	\$314
ST318436LW	18400	5.8MS/7200	2048K	3.5"/1"H	\$314
ST318436LWV	18400	5.8MS/7200	2048K	3.5"/1"H	\$326
ST318404LW	18400	5.2MS/10,000	4096K	3.5"/1"H	\$357
ST318451LW	18400	5.2MS/15,000	4096K	3.5"/1"H	\$469
ST336704LW	36700	5.2MS/10,000	4096K	3.5"/1"H	\$592
ST336704LWV	36700	5.2MS/10,000	4096K	3.5"/1"H	\$604
ST173404LW	73400	5.6MS/10,000	4096K	3.5"/1"H	\$1084
ST173404LWV	73400	5.6MS/10,000	4096K	3.5"/1"H	\$1114
ST173404LCV	73400	5.6MS/10,000	16000K	3.5"/1"H	\$1129

VIDEO CARDS

matrox www.matrox.com		
MATG45016SDR	G450 16MB, SDR AGP OEM (DUAL)	\$67
MATG45016DDR	G450 16MB, DDR AGP OEM (DUAL)	\$72
MATG45032DDR	G450 32MB, DDR AGP OEM (DUAL)	\$97
MATG45032DDRBOX	G450 32MB, DDR AGP RET(DUAL)	\$124
ATI www.ati.com		
ATIRF16A	EXPERT RAGE AGP OEM VER 16MB	\$52
ATIX200032A	EXPERT 2000 AGP OEM VER 32MB	\$52
ATIX2KPRO32A	EXPERT 2000PRO AGP OEM VER 32MB	\$67
ATIRADLE32A	RADEON LE AGP OEM 32MB DDR	\$87
ATIRFP032ATV	RAGE LURY PRO AGP OEM 32MB W/TV	\$92
ATIRADEON32A	RADEON AGP OEM 32MB DDR	\$96
ATIRADVE32A	RADEON VE AGP OEM 32MB DDR DUAL	\$99
ATIRFMAX64	RAGE FURY MAX AGP OEM 64MB	\$109
ATIAIWPRO32A	ALL-IN-WONDER PRO AGP OEM 32MB	\$147
ATIAIW12832A	ALL-IN-WONDER AGP OEM 32MB W/TV	\$153
ATIAIW12832P	ALL-IN-WONDER PCI OEM 32MB W/TV	\$162
ATIRADEON64A	RADEON AGP OEM 64MB DDR	\$175
ATIAIWRAD32A	ALL-IN-WOND RADEON AGP OEM 32MB	\$224
STB www.stb.com		
STB4500-32A	3DFX Voodoo 4 AGP OEM 32MB	\$95
STB3500-16ATV	3DFX Voodoo 3 AGP OEM 16MB TV	\$144
STB5500-64A	3DFX Voodoo 5 AGP OEM 64MB	\$152
ASUS www.asus.com		
ASV710032A	GEFORCE-2 MX AGP 32MB	\$99
ASV710032ATV	GEFORCE-2 MX W/TV AGP 32MB	\$109
ASV71002VD	GEFORCE-2 TWINVIEW AGP 32MB	\$117
ASV710032DEL	GEFORCE-2 MX COMBO AGP 32MB	\$171
ASV7700P32A	GEFORCE-2 AGP 32MB DDR	\$177
ASV7700DEL32A	GEFORCE-2 DEL AGP 32MB DDR	\$207
ASV7700PROP64	GEFORCE-2 AGP 64MB PRO PURE	\$279
ASV7700P64A	GEFORCE-2 AGP 64MB DDR	\$292
ASV7700DEL64A	GEFORCE-2 DEL AGP 64MB DDR	\$327
ASV7700ULTP64	GEFORCE-2 AGP 64MB ULTRA PURE	\$419

Sound CARDS

CREATIVE www.creative.com		
CLCT4815	SOUND BLSTR PCI ES4815 OEM	\$20
CLCT4520	SOUND BLSTR AWE 64 ISA OEM	\$27
CLCT4750	SOUND BLSTR PCI 128 OEM	\$29
CLCT4832	SOUND BLSTR LIVE VALUE PCI OEM	\$47
CLSLIVE5.1OE	SOUND BLSTR LIVE OEM	\$61
CLSLBLXG5.1R	SOUND BLSTR LIVE X-GAMER RETAIL	\$89
CLSLBLMP3+5.1R	SOUND BLSTR LIVE MP3+ RETAIL	\$89
CLSLBLPLAT5.1R	SOUND BLSTR LIVE PLATINUM RET	\$172

MODEMS

3Com www.3com.com		
3C3595	56 KBPS DATA/14.4kbps FAX INT PCI V.90 OEM/WIN	\$31
3C3594	56 KBPS DATA/14.4kbps FAX INT PCI V.90 OEM/VOICE	\$34
3C2975	56 KBPS DATA/14.4kbps FAX INT PCI V.90 OEM/NO VOICE	\$38
3C2974	56 KBPS DATA/14.4kbps FAX INT PCI V.90 OEM/VOICE	\$36
3C2977	56 KBPS DATA/14.4kbps FAX INT PCI V.90 OEM/NON WIN	\$57
3C2976	56 KBPS DATA/14.4kbps FAX INT PCI V.90 OEM/NON WIN	\$61

CREATIVE www.creative.com		
CLDI5655	56 KBPS DATA/14.4kbps FAX INT PCI V.90 VOICE	\$25
CLDI5660	56 KBPS DATA/14.4kbps FAX INT PCI V.90 NON WIN	\$179

REMOVABLES

MEGA www.iomega.com		
IOZIP100IDE	REMOVABLE DRIVE 100MB INT ZIP IDE OEM	\$52
IOZIP250IDE	REMOVABLE DRIVE 250MB INT ZIP IDE OEM	\$77
IOZIP100USB	REMOVABLE DRIVE 100MB EXT ZIP USB	\$117
IOZIP250USB	REMOVABLE DRIVE 250MB EXT ZIP USB	\$164
IOSCSI2GBINT	REMOVABLE DRIVE 2GB INT JAZZ SCSI	\$262
IOSCSI2GBEXT	REMOVABLE DRIVE 2GB EXT JAZZ SCSI	\$314

SEE OUR WEBSITE FOR CARTRIDGE PRICES

We Also Carry

CASES, REMOVABLE DRIVES, NETWORK HUBS, KEYBOARDS, MICE, & MORE!!!

Visit our web site and shop on-line for these and other fine products that we simply don't have enough room to list in this print ad!

WE ACCEPT WILL CALL ORDERS!!!
PLEASE CALL FOR DETAILS

<http://www.pcprogress.com>

Prices and availability subject to change without notice. 15% restocking fee on All returns within 30 days—No returns after 30 days. Shipping, handling and C.O.D. charges are additional and non-refundable. Return shipping must be prepaid, insured and bearing an RMA on shipping label. Not responsible for typos.



PC PROGRESS
1500A Higgins Road
Elk Grove Village, IL 60007
Voice 847.593.7450
Fax 847.593.7480

Picture Your Perfect Customer: The Computer Shopper Reader

Looks for your ads

70% of Computer Shopper readers look at ads extremely/very closely—more than any other business title measured.¹

Extremely influential

87% of Computer Shopper Business Influencers recommend products or brands for purchase in their companies.²

Enormous reach

Computer Shopper magazine reaches **3.67 million** readers with every issue.⁴

Immediate purchasing plans

61% of Computer Shopper readers plan to buy software during the next 12 months.³

49% of our readers plan to buy desktop computers over the next 12 months.³

Active buyers: online and off

Our readers enjoy the ease and convenience of online shopping—**86%** of Computer Shopper readers looked online for products/services in the last 3 months.²

Big spenders

Our readers expect to spend **\$340,215** in the next 12 months for computer products, exceeding the business influencer-market spending estimate of **\$187,411!**²



Be sure you get to know the Computer Shopper reader. He's certain to be a close family friend, business associate or relative—and the active buyer of technology products and services that your company is looking for! An influential decision-maker and expert PC user*, the Computer Shopper reader is everywhere—small office, home office, and corporate headquarters—and he's always on the lookout for good product value and the best that today's technology has to offer. Get to know him better by making him your newest customer with your ad in Computer Shopper!

*Surpassing the readers of PC World, PC Magazine, Business 2.0 and Wired.¹

Online and offline, Computer Shopper delivers the buyers that grow your business!
Call 800.999.7467 for more information.

**COMPUTER
SHOPPER**
www.computershopper.com



Sources: (1) IntelliQuest CIMS, Business & Home Influencer Studies v.7.0 (2) IntelliQuest CIMS, Business Influencer Study v.7.0 (3) IntelliQuest CIMS, Home Influencer Study v.7.0 (4) MRI, Fall 2000

SHOWCASE

Hardware

Accessories/Supplies	229, 231
Bar Coding/Point of Sale	230
Boards/Components/Chips	230, 231
CD-Recordable Disks	229, 230
Communications/Networking	356
Computer Systems	231, 232
Flash Memory & Digital Card Reader	232
General	232, 234
Mass Storage Devices	231
Peripherals	232

Software

Business Applications	233
Education	233, 234
General	233

Services

Data Conversion/Data Recovery	233
CD/Disk Duplication	234
Toner Cartridge Remanufacturing	229

Index

Ziff Davis Publishing

28 East 28th Street New York NY 10016

800-999-SHOP

**SHOP, COMPARE AND BUY
FROM A WIDE SELECTION OF
PRODUCTS AND VENDORS.**

Search a database of thousands of products by company, product and/or key words. Continually updated prices, products and special offers. Reviews from Ziff-Davis publications help you shop smart. Bookmark <http://www.computershopper.com> for the complete buying experience.

Anthony Danzi 212-503-3890
Account Executive
DE, DC, MA, MD, ME, , NH, NJ, NY,
RI, VA, VT, WV, Canada

Julio Loreda 415-701-2839
Account Executive
CA, 90000 - 91999, 93000-93599

Alan Rosenfeld 212-503-3764
Account Executive
AK, AL, CT, FL, GA, IL, KY, LA, MI, MN, MO,
MS, NC, NM, OH, PA, SC, TN, WI

Jane G. Day 212-503-3841
Account Executive
CA, 92000 - 92999, AZ, CO, IA, KS, ND,
NM, OK, SD, TX

Julio Loreda 415-701-2839
Account Executive
CA, 93600+ ID, NV,
OR, MT, UT, WA, WY

Katie Burke 212-503-5079
Territory Management Specialist

Emanuel Rios 212-503-3838
Territory Management Specialist

MR. INK JET

Leading Ink Jet
Refilling Technology...
Complete Refilling Kits

Reduce your printing costs up to 80%
by refilling your existing cartridges.
Do-it-yourself kits include illustrated
instructions, tools, and inks.

**REFILL KITS AND CARTRIDGES
AVAILABLE FOR**

Hewlett Packard, Canon, Epson, Lexmark,
Apple, Xerox, Okidata, Brother, Compaq,
NEC, Digital, and Pitney Bowes

order online at
www.inkjetkits.com
Voice: 800-644-3475
Fax: 815-744-3470

Lab Software, Inc.
550 North Larkin Avenue Joliet, Illinois 60438-764

REMOTE INTERNET CAMERAS by STARDOT TECHNOLOGIES

starts at
\$299*
wincam.live **FULLY
AUTOMATED**

- Multiple Live Cameras on one PC
- Outdoor Capable / 11 Available Lenses
- Remote Dial-In Option
- Easy to Use / Fully Automated

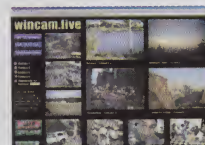
WinCam is used by national parks, zoos,
construction sites, airports, marinas, and
businesses around the world.

*after \$100 banner rebate

**Quality Digital Color Images
Live From Anywhere!**

Use Web Browser to monitor Live Remote
Images for use in:

- Construction
- Office / Home
- Resort / Hotel
- Marina / Airport
- Restaurant / Bar
- Day Care Center
- Remote Equipment
- Factory / Warehouse



netcam

NO PC REQUIRED

The PC is inside the camera!
Simply plug NetCam into the Internet
(modem, cable, DSL or LAN connection)
and NetCam automatically uploads live
images to the web or use NetCam as a
web server and point your browser to
NetCam's IP address. Excellent digital
image quality. Starts at \$599.

1-888-STARDOT (714-228-9282) <http://www.remotecam.com>

INKJET Re-Inking

PRINTERS • FAXES • PLOTTERS

HP • Canon • Epson • Apple • IBM • Encad
LaserMaster • Texas Instruments
Digital • Xerox • NEC & all compatibles

SERVICE: We re-ink your empty inkjet
cartridges for you. As low as → **\$4.95 ea.**

KITS: (Re-usable): Re-ink your own for
as low as 50¢ a refill! We provide tools,
instructions and ink to refill your car-
tridges 5 to 30 times → **\$12.95 to 44.95**

INKJET: Inks, Cartridges & Photo Papers.

P.S. INK

317 Booye Terrace • Northfield, NJ 08225
Phone or Fax (609) 641-5235
E-Mail: PSINKmaster@AOL.com
Web Site: <http://www.psinkmaster.com>

CD & DVD DUPLICATORS



▲ **Pioneer**
DVD Recorder
& authoring



Saturn 2P
150 Disc
Autoloader
& Color Printer



▲ **DSR 1200:** up to 8 12x Recorders
68+ CD's per hour. **LOW COST**

NOBLE HOUSE • 800-260-5053

www.noblehousecd.com • 818-709-5053 • fax 818-709-3503

SHOWCASE
Shop computershopper.com. Go to <http://www.computershopper.com>. Thousands of products, hundreds of vendors — all in one place.

Create Great Gifts

with your computer

use our transfer paper and exciting photo novelty gift products

mouse pads, ceramic photo mugs, ceramic tiles, frames, key chains, posters, baseball caps, and much more!!!

ink jet magnetic sheets as low as 90¢ ea

ink jet canvas as low as 90¢ ea

can coolers as low as \$1.25 ea

ink jet transfer paper 60¢ ea sheet

mouse pads as low as 95¢ ea

3 1/2" Button Press

Adjustable Full-Wrap Mug Heat Press

T-shirt & Mouse Pad Heat Press

SALE '595

SALE '795

SALE '395

CALL NOW FOR A FREE CATALOG

come see it all at www.rplsupsupplies.com

RPL Supplies, Inc.
the personalization company
280 Midland Avenue
Saddle Brook, NJ 07663
(800) 524-0914 ext 18
tel:(201) 794-8400
fax:(201) 794-8458

www.pointofsale.com

Ask About Our FREE POS Software!

 MMF Cash Drawer \$126	 Emax Pole Display \$169
 Samsung Receipt Printer \$199	 Eltron Label Printer \$399
 Unittech CCD Scanner \$119	

This is just a sample. Check our web site for more great deals!

www.pointofsale.com

Toll Free 888-430-1685 Experts in POS hardware and software.

CD & DVD COPIERS

AUTOLOADING

CD Duplicator and Printer

- * Easy To Use
- * Color Printing
- * High Speed

Copies & Prints Simultaneously

HIGH OUTPUT

Standalone Copiers

- * 2-40 Recorders
- * No PC Required
- * Easy To Use
- * Copies Data or Audio

Microboards

BLANK CDs & DVDs

- * Thousands In Stock
- * Lowest Prices
- * Fast Delivery

FREE

100 Blank CDs With Every Duplicator

DISC

Recording Technology, LLC
1555 E. University Dr., Suite 1,
Mesa AZ 85203

Toll Free:
888-748-0355
Intl: 480-655-8219
www.cd-duplicators.com

Point-of-Sale REGIT® 2000 For Windows \$239

Turn your PC into a Powerful POS System. For sales, services, and/or rental businesses.

Features: Inventory, customers, employees, bar code label printing, standard or POS receipts, gift certificates, credit card interface, multiple monitor support, interface to QuickBooks, layaways, A/R, POS, rentals, consignments, kitting, endless reports, and loaded with other features.

Complete System Special

Regit 2000 for Windows Software
Star SP212 Receipt Printer
3" CCD Bar Code Scanner
Steel Electronic Cash Drawer
All Cables & Paper Included

\$689

Regit 2000 for Win95/98/Me/2000...\$239
Regit 2000 for Win95/98/Me/2000
Networks (unlimited).....\$389
Electronic Steel Cash Drawer.....\$149
CCD Bar Code Reader.....\$169
VFD Pole Display 2X20 lines.....\$159

Call for, or download from the Internet, a FREE full working copy on CD-ROM and our complete POS catalog.

www.apipos.com

MicroComputer POS Systems Since 1984
American Precision Instruments
San Jacinto, CA
1-800-915-7779 Fax: 909-487-9276
Visa and Mastercard Accepted

Small Business Shoppers are in the market for *your* products and services.

Call your Account Representative today!
1-800-999-SHOP

COMPUTER SHOPPER
www.computershopper.com

TALK TO THE EXPERTS • THOUSANDS OF PRODUCTS • FREE CATALOG • TOLL FREE TECH SUPPORT

<h4>RECEIPT PRINTERS</h4> <p>STAR SP212FC/FD Receipt Printer \$205</p> <p>Star TSP212 \$359.00 Star SP312 \$375.00 Epson TMU200PD \$229.00 Epson TMT88 \$379.00</p>	<h4>DISCOUNT WAREHOUSE, INC.</h4> <p>NEW lower prices! We will beat any advertised price! 1-800-888-BCDW</p>	<h4>BAR CODE PRINTERS</h4> <p>Eltron LP2722 \$429</p> <p>LP2742 \$495.00 TLP2722 \$495.00 TLP2742 \$549.00 CREATE-A-LABEL \$179.00</p>
<h4>DECODED LASER SCANNERS</h4> <p>PSC QuickScan1000 \$249</p> <p>PSC QS6000 \$279.00 Symbol LS 1006 \$295.00 Symbol LS 4004 \$495.00</p>	<h4>CCD SCANNERS</h4> <p>\$155</p> <p>Our Best Selling 3" Decoded CCD Scanner</p>	<h4>CASH DRAWERS • POLE DISPLAYS</h4> <p>Cash Drawers \$179</p> <p>MMF ECD200 \$249.00 ECD232 \$295.00 Cashier Plus \$295.00</p> <p>Pole Displays \$229</p> <p>Logic Controls PD6000 \$229.00</p>

9841 York Alpha Drive • Unit C • North Royalton, OH 44133 • TOLL FREE 800-888-BCDW • Phone: 440-582-1144 • Fax: 440-582-1177 • E-mail: sales@bcdw.com • Web site: www.bcdw.com

TechStore

www.techstore.com

The Technology Superstore

Canon

IC-C2100	IMAGECLASS C2100 COLOR LASER PRINTER	\$5199.99
F13-4C22-PR1	IMAGECLASS 2200 DIGITAL COPY FAX LASER PRINTER	\$3499.99
H12-1572-210	IMAGECLASS 1100 LASER PRINTER FAX COPY SCAN	\$749.99
M11-0293-002	DR-5020 DOCUMENT SCANNER	\$4875.99
LBP-1760E	LBP-1760E NETWORK MONO LASER PRINTER	\$1259.99
F13-5032-500	PC430 PC COPIER	\$2129.99
R96-0024-800	CLBP 480FS COLOR LASER PRINTER	\$4159.99
LV-7325	LV-7325 TURBO BRIGHT PROJECTOR	\$6555.99
M11-0283-002	DR-5080C COLOR SCANNER	\$3599.99
LV-7320	LV-7320 TURBO BRIGHT PROJECTOR	

* Super low prices
* Excellent service
* 30 Day performance guarantee
(see our Web site for details)

Prices and specs are subject to change without notice. Prices do not include shipping cost or CA State Sales Tax (if CA resident). See Web site for return policy

LINKSYS® Broadband Wireless Solutions

BEFSR11	ETHERFAST CABLE/DSL ROUTER 1PORT RJ45 10/100	\$79.99
BEFSR41	ETHERFAST CABLE/DSL ROUTER 4PORT RJ45 10/100 SWITCH	\$119.99
BEFSR81	ETHERFAST CABLE/DSL ROUTER 8PORT SWITCH 10/100 SNMP VOIP	\$175.99
WDT11	WIRELESS PCI CARD ADAPTER WIRELESS NETWORK FOR DESKTOPS	\$35.99
WPC11	WIRELESS PC CARD WIRELESS NETWORK	\$115.99
WAP11	WIRELESS ACCESS POINT WIRELESS NETWORK	\$235.99
BEFW11S4	ETHERFAST AP CABLE/DSL WIRELESS ROUTER W/ 4PORT SWITCH	\$229.99
WUBS11	WIRELESS USB NETWORK ADAPTER 802.11B	\$115.99
BEFW11P1	ETHERFAST AP CABLE/DSL WIRELESS ROUTER W/ PRINT SERVER	\$235.99
07N5639	DESKSTAR 75GXP 30GB INT ATA/100 3.5LP 8.5MS 7200RPM	\$139.99
07N5637	DESKSTAR 75GXP 15GB INT ATA/100 3.5LP 8.5MS 7200RPM	\$99.99
WD200BB	CAVIAR 20GB INT ATA/100 HD 3.5LP 9MS 2MB 7200RPM	\$129.99
WD300BB	CAVIAR 30GB INT ATA/100 HD 3.5LP 9MS 2MB 7200RPM	\$132.99
ST33670ALWV	CHEETAH 36LP 36.7GB U160 HD 10000RPM 68PIN 16MB	\$499.99
ST17340ALWV	CHEETAH 73 73.4GB U160 HD 10000RPM 68PIN 16M	\$879.99
ST33670ALC	CHEETAH 36LP 36.7GB U160 HD 10000RPM 80PIN 4MB	\$465.99

Great prices on computer, memory, processors, motherboards, and more! Over 40,000 brand-name products at super low prices.

Visit our Web site or call us at: 1-800-727-6776 today!

TechStore Specializes in: Antec cases * Asus motherboards

Tripp Lite power protection * Iomega storage solutions

Lexar Media digital film * Targus cases

www.techstore.com
We accept Visa/MC, Discover, Amex

Order online at
www.circotech.com

"We're on the Case!"

More cases, pictures, and order info at www.circotech.com

SCSI CASE

MODEL#	PRICE	MODEL#	PRICE
121	105	990	145
130	135	991	110
151	100	990	190
710	149	1010	338
720	149	1030	348
920	115	10110	199
921	79	SC801	70
931	79	SC802	85
990	79	SC804	120
951	59	SC808	210
961	105	SC808	265

COLOR CASES

Removable HD Kit

19" RACKMOUNT R110

\$15 IDE

CALL FOR BLACK DVD, CD, FLOPPY, KEYBOARD, MOUSE

CIRCO TECHNOLOGY CORP.
www.circotech.com
ONE YEAR PARTS & LABOR WARRANTY

SALES INFO: Tel: 626-369-5779 Fax: 626-369-2769
1-800-678-1688
MON-FRI: 8:30 AM - 5:30 PM PST

WHY IS THE COMPETITION SHAKING?

BECAUSE 1-800-4-MEMORY IS HERE

WE CAN BEAT ANY QUOTED PRICE ON ANY MEMORY FOR ANY COMPUTER (NOTEBOOK, DESKTOP, PRINTERS, CAMERA) ANYWHERE... PERIOD!

- LIFETIME WARRANTY
- NO CREDIT CARD SURCHARGE
- FREE TECH SUPPORT
- MOST ORDERS SHIPPED SAME DAY

CALL AROUND / THEN CALL US

CHECK OUR WEB SITE AT **WWW.18004MEMORY.COM** FOR SPECIALS

THE LATEST IN STATE-OF-THE-ART VIDEO MONITORING TECHNOLOGY

DIGITAL MONITORING & RECORDING SYSTEM

This unique video card is capable of remotely monitoring up to 4 cameras simultaneously. Highlight an area on your video screen, and the DMRS will inform you via a modem thru your telephone or pager if there is movement in that high-lighted area while recording to your hard disk!

✓ TCP/IP
✓ MODEM
✓ LAN/WAN

DMRS-4 - \$289.95

"YOUR WEB BROWSER IS YOUR REMOTE EYE!"

The Flexcam acts as an internet camera server. No software needed in order to view your video. All you need is a web browser. Camera has built-in video quality control, pan/tilt/zoom interface and network configuration, which are controlled with your web browser.

FEATURES 4 VIDEO INPUTS • 3 EXTERNAL CONTROL PAN / TILT AND ZOOM OVER THE INTERNET!

MICRO CAMERAS - WIRELESS VIDEO - MONITORS - VCR'S - BULLET CAMERAS - MULTIPLEXERS - 470 ARMOUR DRIVE ATLANTA, GA 30324 TECH: 404-872-0722

CALL FOR FREE CATALOG! • 800-752-3571 Polaris Industries • WWW.POLARISUSA.COM

COLOR MICRO VIDEO HEAD "SNAKE" CAMERA

VIDEO HEAD IS ONLY 7MM IN DIAMETER!

Fully adjustable focus from 0.5 inches to infinity. Contains a true color CCD chip rather than a CMOS type sensor for an excellent resolution of 330 TVL. Comes complete with a 12" cable.

MH-SCO1 - \$479.95

2.5" COLOR TFT-LCD MODULE

Our 2.5" TFT module is perfect for wireless, video servers and hand held equipment. This small but versatile TFT has Composite Video and separate RGB video inputs. Display resolution is 480(W) x 234(H) with a dot pitch of 0.105(W) x 0.161(H) and weighs only 25 grams.

TFT-M25 \$149.95

UNIT IS ONLY 0.2" THIN!

Bsns Card CDRs

75¢ Bulk
21m/180 mb in Spindled 500-Pks

Business Card 50mb CDR . 79¢ / 100
Mini 180mb CDR . 79¢ / 100
Diamond TruSilver CDR 74m/ 650mb 69¢ / 100
CDR 1-16x Silver/Silver 80-m / 700mb . 49¢ / 100
DVD-RAM 5.2gb Bulk \$ 17.99 / 5
DVD-R 3.95gb Bulk \$ 17.99 / 5

Cdr4Less.com
888-577-8889

Melody™

Blank CD-R Specialist

Silver / Silver
12x 100% Certified
80 min 700 MB
29 Cents ea., Qty 600

CD-RW. MINI CD-R, NAME CARD CD-R AVAILABLE
CREDIT CARD ACCEPTED.

Distributors Wanted

EverReach USA Corp.
562-908-0882

Recession Fighter Buy from \$1 Auctions Save \$\$\$\$\$\$

Best Auction Price Everyday

www.memoryonly.com
eBay Auction ID : memoryonly.com

HOT ITEMS :

PC133/100, NOTEBOOK,
RAMBUS, POWEBOK,
MEMORY MODULES, USB
PRODUCTS, FIREWIRE
PRODUCTS, DVD-ROM,
CD-ROM, HARD DRIVES.



www.traveleronly.com
eBay Auction ID : traveleronly

HOT ITEMS :

NOTEBOOK, PALM SIZE PC,
HANDS-FREE CAR KIT,
LUGGAGES, AND MORE.
TOTAL SOLUTION FOR
ALL YOUR BUSINESS
AND TRAVELING NEEDS.



www.cititronics.com
eBay Auction ID : sales@cititronics.com

HOT ITEMS :

IBM MICRO DRIVE, COMPACT FLASH CARDS, SMART MEDIA
CARDS, USB COMPACT FLASH CARD/SMART MEDIA CARD
READER, MP3 PLAYERS, DIGITAL CAMERAS.

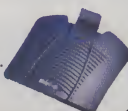
Tel. 626.961.9669
email.sales@cititronics.com



www.citibroadband.com
eBay Auction ID : citibroadband.com

HOT ITEMS :

ROUTER, SWITCH,
NETWORKING,
WIRELESS PRODUCTS.
ALL YOUR
NETWORKING NEEDS.



www.onchina.com
Global B2B Commerce Platform

The premier information platform for
business trading center, bridges
business community to the rest of the
rest of the world at the speed of internet.
We pride ourselves by providing the
capability to break cultural and language
barrier to the global market place.

PRINTERS **NOTEBOOKS**
MONITORS **DESKTOPS**
MULTI-FUNCTION UNITS **PROJECTORS**

LOWEST POSSIBLE PRICES!

www.electrified.com
24 HR ORDER HOT LINE 800-678-8585

HEWLETT PACKARD OKIDATA XEROX LEXMARK TOSHIBA
CANON ALPS **ELECTRIFIED DISCOUNTS** EPSON IBM

Email: elecsale@electrified.com
(203) 787-4246
Fax (203) 777-7853
110 WEBB STREET
HAMDEN, CT 06517

CREATE, PRINT & READ BAR CODES

with new Bar Code
Fonts from **ITSco!**

- * All popular bar codes
- * Individual or deluxe packages
- * User-friendly
- * Both TrueType & PostScript
- * Designed in the Bear Rock tradition!

CALL 1-800-228-9487

or visit us at www.itsco.net



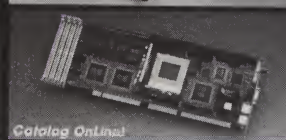
Ask about our full line of USB-compatible
bar code scanners, printers, and accessories!



Industrial Computer System



- **Rackmount Enclosure**
4 to 20 Slot (Hot Swap PS)
ATX Motherboard Style Available
- **Rackmount Monitor Enclosure**
for 14", 15" and 17" Monitor
- **Rackmount Keyboard**
w/ Track Ball
- **Rackmount RAID Enclosure**
- **Single Board Computer**
-Dual Pentium II to 486
-VGA, LCD, SCSI on the board (option)
- **PCI, ISA Backplane Board**
3 to 20 Slot, Segment Available



Catalog Online
<http://www.jktechnology.com>
E-Mail: paulkk@ix.netcom.com

J & K technology
43224 Christy Street, Fremont, CA 94538
800-499-2518
Fax 510-226-9482 M-F 8-5 pst



NOTEBOOK SUPERSTORE • BEST DEALS ANYWHERE!!!

WWW.NOTEBOOKSUPERSTORE.COM

PRICES MAY NOT BE CURRENT. PLEASE CALL FOR BEST PRICES!! 888-643-9403

PLEASE CHECK OUR SITE FOR UNBELIEVABLE HOLIDAY SPECIALS!!
NOTEBOOKSUPERSTORE.COM HAS THE WIDEST SELECTION OF
NOTEBOOKS AND ACCESSORIES!!

All models and accessories in stock of the following models:

Compaq Presario • Fujitsu Lifebook • Toshiba Tecra • Compaq Armada • IBM
Thinkpad • Toshiba Portege • Sony Vaio • Toshiba Satellite • ACER

SONY • COMPAQ • TOSHIBA • ACER • NEC • IBM • KIWI
CHECK OUT OUR NEW SITE — 100+ OF NEW PRODUCTS



NOTEBOOK SUPERSTORE - A COMPU GALAXY SUBSIDIARY
WHOLESALE PRICING ON NAME BRAND NOTEBOOKS DIRECT TO THE PUBLIC
SALES 888-643-9403 • E-MAIL sales@notebooksuperstore.com
PLEASE CALL FOR CURRENT PRICE & AVAILABILITY 888-643-9403

WE ARE NOT RESPONSIBLE FOR TYPOGRAPHICAL ERRORS. PRICE AND AVAILABILITY SUBJECT TO CHANGE WITHOUT NOTICE.
PLEASE ASK FOR WARRANTY INFORMATION WHEN PURCHASING OR CHECK OUR WEBSITE FOR FULL WARRANTY INFO.

GET CONNECTED WITH CSW

- Ethernet, Fast Ethernet
- High Speed Data Solutions
- Enhanced CAT5 Cabling
- Token Ring Products
- Fiber Optic Cables
- SCSI I, II, III Solutions
- PC Cables and Accessories
- USB Cables and Accessories
- Network Cable Testers
- OEM / Resellers Welcomed



Multi-Color
Fiber Patch Cords

LAN & Voice
Cable Testers

800-488-8821

www.cablingsys.com • sales@cablingsys.com • tel: 909-468-9211
20418 E. Walnut Drive 1A, Diamond Bar, CA 91789 fax: 909-468-9701

CABLING SYSTEM WAREHOUSE

2001 EDITION

Free
Catalog

www.cablingsys.com

Computer Shopper:
Expert advice.
Extensive selection.
Active Buyers.

**COMPUTER
SHOPPER**

www.computershopper.com

Call your Account Representative today!
1-800-999-SHOP

BUYCHEAPSOFTWARE.COM

SAME DAY SHIPPING
100% SATISFACTION
MONEY BACK GUARANTEE
* Price after manufacturer rebate.

TOLL FREE **888-999-2611**

Phone: (310) 305-3644 FAX: (310) 305-3645
email: sales@cheapsoftware.net

Order online with our
100% secure website
www.buycheapsoftware.com

MICROSOFT

Office 2000 Pro Full Version \$294
Office 2000 Pro Upgrade Retail Box \$239*
Office 2000 Small Bus. Full OEM Version \$179
Access 2000 Upgrade Retail Box \$98
Office 2000 Premium SR-1 Full Retail Version \$549
Office 2000 Pro Developers Ed. Retail Box, Full Ver. \$718
Office 97.2 Small Bus. Ed. w/98 OEM \$135
Office Pro 95 or Office Pro ver. 4.3 oem, CD \$95
Word 2000, MS Encarta 2001 Works 6.0, Money 2K1, Picture It! Pub 2001, Street & Trips 2001 Retail Box \$157
Word 97 CD/COA Full oem Version \$35
Word 97 & Works 4.5 & Money 99 \$54
Works & Money 2000 Full oem CD only \$29
Works 4.5 & Money 99 CD Full Version \$22
Project 2000 Full Ver. CD-Manual \$369
FrontPage 2000 CD-Manual Retail Box \$97*
Visual InterDev w/plus 6.0 Full Ver. CD-Manual \$99
Visual Studio Pro 6.0 Full Ver. CD-Manual \$495
Visual Studio Enterprise+ 6.0 Full Ver. CD-Man. \$799

MICROSOFT WINDOWS

Windows 2000 Pro Upgrade Retail Box \$89*
Windows Millennium Full OEM Version \$104
Windows Me Retail Box Upgrade from Win 98 \$46
Windows Me Retail Box Upgrade from Win 98 or 95 \$86
Windows 98 2 CD/COA/Manual Full DSP Version \$105
Windows 98 2 Plus CD/COA/Manual Full DSP Version \$124
Windows 98 single license & manual only, no CD \$65
Windows 95 OSR 2.1 w/CD-Manual-License OEM \$76
Windows 95 OSR 2.1 w/CD-Manual-License OEM \$59
Windows 95 single license/COA, no CD \$37
Windows 3.11 on 3.5" disk & Manual oem \$39
Windows 3.11 on 3.5" disk & Manual oem \$79
DOS 6.22 on 3.5" disk/manual/COA oem \$45

WIN 2000 & BACKOFFICE 4.5

WINDOWS 2000 PRO Full OEM Version \$132
NT Workstation 4.0 CD-Manual-License Full OEM Ver. \$119
WINDOWS 2000 Server Retail Upgrade Ver. w/5-Client \$435
WINDOWS 2000 Server Full Retail Box w/5-Client Lic. \$669
WINDOWS 2000 Server Full Retail Box w/10-Client Lic. \$799
WINDOWS 2000 Server Full Retail Box w/25-Client Lic. \$1159
WINDOWS 2000 Adv. Server Full Ver. w/25-Client \$1649
NT Server 4.0 CD Full Version w/5-Client License \$419
NT Server 4.0 CD Full Version w/10-Client License \$499
NT Server 4.0 CD Full Version w/25-Client License \$539
NT Server 4.0 20-Client License w/COA, NO CD \$389
NT Terminal Server 4.0 w/CD-CAL CD w/Manual \$1999
Site Server 3.0 Commerce Ed. w/25 CAL \$699
NT Server Enterprise 4.0 CD & Man w/5-Client, Full Ver. \$1299
BackOffice Server 4.5 CD & Man w/Modem/InfoMail Server \$1799
BackOffice Server 4.5 CD & Man w/25-Client, Full Ver. \$1299
Upgrade BackOffice Server 4.5 CD-Man. w/25-Client \$999
BackOffice 4.5 Small Bus. Server 5-Client, Full Ver. \$1389
w/NT 4.0/SQL 7.0/Exch. 5.5/Proxy 2.0/Modem/InfoMail Server \$1799
BackOffice 4.5 Small Bus. Server 25-Client, Full Ver. \$1389
w/NT 4.0/SQL 7.0/Exch. 5.5/Proxy/Modem/InfoMail/Server \$1349
SQL & Exchange Server 2000 \$3099
SQL 2000 Upgrade w/5-Client Lic., Retail Box \$4149
SQL 2000 w/5-Client License, Full Ver/Retail Box \$709
SQL 2000 Enterprise Edition Full w/25-Client Lic. \$599
SQL 7.0 Enterprise w/25-CAL, Full Ver/Retail Box \$1079
SQL 7.0 20-Client License/COA \$2949
Exchange 2000 Ver. Upgrade w/5 CAL Retail Box \$69
Exchange 2000 w/5-Client Lic. Full Ver/Retail Box \$1079
Exchange 2000 Enterprise Ed. w/25-CAL Full Retail \$2949
Exchange 2000 Single Client Access License \$69

MICROSOFT MOLP LICENSES

Office Pro 2000 MOLP Full Ver. (5-minimum) \$359
Upgrade Office Pro 2000 MOLP (5-minimum) \$269
Office Std. 2000 MOLP Full Ver. (5-minimum) \$289

ADOBE

Acrobat 4.0 CD Full Retail Version \$209
Photoshop 6.0 Full Retail Version \$539
Pagemaker 6.5 Plus Full Retail Version \$339
Illustrator 9.0 Full Retail Version \$289
Illustrator 9.0 Full Academic Version \$189
InDesign 1.5 Full Retail Version \$259
Go Live 5.0 Full Retail Version \$259
After Effects 4.1 Full Retail Version \$499
Live Motion 1.01 Full Retail Version \$149
Premier 5.1 Full Retail Version \$509
FrameMaker 5.56 Full Academic Version \$289

COREL & LOTUS All Full Versions

Wordperfect 2000 & Lotus 2000 v.9.5 CD/Manual OEM \$95
Wordperfect Office Std. 2000 w/CD-eManual-Reg. OEM \$49
Wordperfect Office Pro 2000 w/CD-eManual-Reg. OEM \$79
Wordperfect Office 8.0 w/CD only OEM, Full Version \$29
CorelDraw 10.0 Graphics Suite Retail Upgrade Bundle \$239
CorelDraw 9.0 Graphics Suite Full Version Retail Box \$59
CorelDraw 8.0 Full Version, CD's only \$55
Lotus Millennium 9.5 CD-Manual Full OEM Ver. \$29
Lotus SmartSuite 9.7 CD-Manual Full OEM Version \$29

INTUIT / QUICKBOOKS

Quicken Deluxe 2001 CD, Full Retail Box \$65
Quicken Deluxe 2000 CD, Full Version \$22
Quicken Suite 2001 CD, Full Version \$79
QuickBooks 2001 CD, Full Version \$145
QuickBooks Pro 2001 Full Version \$225
QuickBooks Pro 2000 Full Version \$209

VISIO/MICROSOFT

Visio Standard 2000 Full Version, Retail Box \$149
Visio Technical/Standard 2000 Full Version, Retail Box \$294
Visio Professional 2000 Full Version, Retail Box \$294
Visio Enterprise 2000 Full Version, Retail Box \$589

SYSTEM INTEGRATORS &
RESELLER INQUIRIES WELCOME
PACIFIC STANDARD TIME MONDAY - SATURDAY 7AM-7PM

* Price after manufacturer rebate.

Prices subject to change without notice. All trademarks are property of their respective owners. Call for pricing on products not listed.

We'll
Beat Any
Price

No Credit Card Surcharge

VISA MasterCard Discover Corporate POs & CODs WELCOME

SoftMan Products, Inc.

12654 W. Washington Bl. #103, Los Angeles, CA 90066

HARDWARE LOCK REPLACEMENTS GET YOUR DONGLE EMULATOR HERE

Spectrum Software, Inc.
St. Augustine, FL.
www.donglefree.com
904-797-6600/3246 fax

DATA RECOVERY IN HOURS

- Over 10 years of experience with clients worldwide including HP, NASA, & FedEx.
- Millions of lost megabytes saved.
- No minimum charge or diagnostic fee.*
- Call 24 hours a day to speak directly with a Data Recovery Specialist.



LAZARUS
DATA RECOVERY
Working at the speed of business
800-341-3282
415-499-5556 • FAX 415-499-5553 *RESTRICTIONS MAY APPLY
310 Clementine Street • San Francisco, California 94133

Distance Education

Grantham
College since 1951

ACCREDITED ASSOCIATES and BACHELORS DEGREES
COMPUTER SCIENCE & COMPUTER ENGINEERING

Self-paced degree programs allow you to earn a college degree on your schedule. Degree paths in Internet Engineering, MIS, Web Design, and Computer Programming. Transfer up to 50% of coursework for A.S. degree and 75% of coursework for Bachelors degree for prior college credit or professional certifications. Receive up to 8 credit hours for directly relevant professional experience. Textbooks/ software/ instructor support included in tuition. VA/ military benefits & tuition assistance provided by most employers (see FAQ at www.grantham.edu).

34641 Grantham College Road Slidell, LA 70469

WWW.GRANTHAM.EDU

TOLL FREE 888.423.4242

Savings for Students & Teachers

Call For... FREE CATALOG!

Up to 80% Off

WebDesign Studio

Includes:
Dreamweaver 4,
Fireworks 4
Flash 5, Freehand 9

\$249



Flash 5.0

Website
Animation

\$99



Final Draft 5.0

Premiere
Scriptwriting Software

\$149



FileMaker Pro 5.0

Relational
Database Software

\$159



Software Showcase Inc.
1775 Rt 34 South D#12
Farmingdale, NY 07727
Phone # (732) 556-0400
Fax# (732) 556-0408
info@softwareshowcase.com

CALL FOR PRICES ON ADOBE & MICROSOFT ITEMS

AutoCAD LT 2000i..... \$339
Borland C++Builder Pro 5.0..... \$119
Borland Delphi Pro 5.0..... \$119
Borland J Builder Pro 5.0..... \$119
Cakewalk Pro Audio 9.0..... \$209
CodeWarrior Pro R6..... \$119
Coda Finale 2001..... \$249
Cold Fusion Studio 4.5..... \$339
Dramatica Pro 4.0..... \$129
Dreamweaver 4.0..... \$99
Dreamweaver 4.0 UltraDev..... \$149
Eye Candy 4000..... \$79
Freehand 9/Flash 5 Studio..... \$149
Freehand 9..... \$99
Genuine Fractals 2.0..... \$129
Hollywood Screenwriter 3..... \$49
HomeSite 4.5..... \$69
HomeStudio 9..... \$69
LightWave 3D 6.0..... \$889
Mathcad Pro 2000..... \$99
Mathematica 4.0 Student..... \$139
Net Objects Fusion 5.0..... \$99
Poser 4.0.3..... \$125
Screenwriter 2000..... \$129
Sharpener Pro..... \$229
SPSS 10..... \$79
Ulead Studio 5.0..... \$69
Vectorworks 8.5..... \$369
Wacom Graphire 4x5 Tablet..... \$99

(800)699-1836

Visit our WebSite for \$10 OFF online orders!!

www.softwareshowcase.com

Computer Shopper • MAY 2001

233

SHOWCASE
Shop computershopper.com. Go to <http://www.computershopper.com>. Thousands of products, hundreds of vendors — all in one place.

Shop computershopper.com. Go to <http://www.computershopper.com>. Thousands of products, hundreds of vendors — all in one place.

SHOWCASE

THE SUMMIT OF CD PRODUCTION

NETWORK CD PUBLISHER
RECORD & LABEL
MULTIPLE UNIQUE DISCS
OVER A NETWORK

ORBIT II
MAKE 50 DUPLICATES
AUTOMATICALLY
WITHOUT A PC

DSR-1208
PRODUCE 8 HIGH
SPEED COPIES
WITH THE PUSH
OF A BUTTON

• AUTHORIZED MICROBOARDS DEALER •

SUMMATION TECHNOLOGY, LLC
TOLL FREE: 888-340-3738
WWW.SUMMATIONTECHNOLOGY.COM
1155 KELLY JOHNSON BLVD., COLORADO SPRINGS, CO 80920

CD Duplication
CD copiers / recorders / MP3 players
single drive • multi drive/towers
autoloaders • printers • CDR bulk media
Systems as low as \$399!

Complete CD solutions for all your business needs:
CD replication • printing & packaging
CD business cards
24 hr rush service available

Princeton Disc
Since 1986.

800.426.0247
www.princetonondisc.com

SOFTWARE DUPLICATION
Don't Delay, Do it Today!

Our 12th Year
CD-ROM Replication
CD-R

**Quick Turnaround
NO Minimums!!!**

I.D. DISK CO.
1-800-882-6454
www.iddisk.com
All Major Credit Cards Accepted

**CD Duplicators
CD Duplication
Blank CD-R's**

**Buy direct from
the manufacturer
and
save!**

Visit our website for details
WWW.TrackmasterAV.com
888-374-8877

COMPUTER FURNITURE

Classroom
139.00

EuroTable
199.00
Lifetime Warranty

LAN Rack—\$950.

Kiosk
139.00

310-973-0384
Major Credit Cards & P.O.'s Accepted

A1COMPUTERDESKS.COM

**Anywhere,
Anytime,
Always**

*the leading edge
of learning.*

AICS is now American
College of Computer &
Information Sciences

- Earn your B.S. or M.S. degree
- No classes to attend
- Self-paced study
- Prepare for a hi-tech job

For a free
catalogue
call **1-800-767-2427**
or visit
www.aics.edu

accis
American College
of Computer
& Information Sciences

ACCREDITED MEMBER DISTANCE EDUCATION TRAINING COUNCIL

Web Hosting
www.your-name.com
\$16.95/500mb/25pop3

www.amhosting.net
(775)331-3319

Control Panel
Statistics
FrontPage 2000
Access to Raw Logs
Unlimited Email Forwarding
Personal Tech Support
30 Day Money Back Guarantee
Accounts starting as low as \$4.95

American Web

Small
Business
Shoppers
are in the
market
for *your*
products
and
services.

Call your Account
Representative today!
1-800-999-SHOP

**COMPUTER
SHOPPER**
www.computershopper.com

CHECKING Out

EDITED BY KIERSTEN CONNER-SAX



"I was knocked unconscious, and the entire contents of my PDA passed before my eyes."

OUR FAVORITE E-CARD INVOLVING TOILETS

Need to see a man about a horse? Shake the dew from your lily? Well, Besttoilets.com (the self-proclaimed "place to go before you have to!") provides listings and star ratings for restrooms in 12 cities—and you can download the information to your Palm device. Best of all, Besttoilets.com provides free Toilet E-Card greetings!



FREQUENTLY ASKED QUESTIONS

That weren't asked by *Computer Shopper* readers, but we'll answer anyway.

- Which handheld device is right for me?
That depends on what you'll be using it for. Are you building a house and nailing studs into a wall? If so, we recommend a Handspring Visor Deluxe. The Palm V is a bit narrow for driving nails, and the grip is lousy.
- How big a hard drive do I need?
Why do people keep asking us this question? It should be really big, okay? Really big, and in 18 months it won't be big enough.
- What is the difference between SDRAM and RDRAM?
SDRAM, short for Synchronous DRAM, is a type of DRAM that runs at much higher clock speeds than conventional memory. RDRAM is short for Rambus DRAM, an even faster type of memory developed by Rambus. We recommend BRAM, better known as a "battering ram," which, while slower than either SDRAM or RDRAM, pretty much obliterates everything in its path.
- Should I buy a Macintosh?
Sure. Why not?



"PEOPLE HAVE THIS PERCEPTION, 'OH, HE'S KIND AND FUZZY.' WHEN YOU'RE PLAYING GAMES LIKE UNREAL. . . 'POW! SMITH AND WESSON. HE'S BACK! HE'S GONE POSTAL.'"

—Robin Williams to Mr. Showbiz, when asked about his favorite computer game.



CORPORATE LOOK. CASUAL PRICE.



Dell™ Rated #1 in Desktop Satisfaction,
10th Consecutive Quarter
*Technology Business Research
Corporate IT Buying Behavior
and Customer Satisfaction Study.*
— 3rd Quarter 2000, December 14, 2000



**USE THE POWER OF
THE E-VALUE CODE.**
Match our latest technology with our latest prices. Enter the E-VALUE code online or give it to your sales rep over the phone.
www.dell.com/evalue

VALUE

DELL™ OPTIPLEX™ GX150

Latest and Greatest Managed PC

- Intel® Pentium® III Processor at 933MHz
- 128MB PC133 SDRAM (up to 512MB)
- 20GB* (7200 RPM) ATA/100 HD (up to 40GB*)
- 17" (16.0" vis) E771p Monitor (up to Flat Panel)
- Integrated Graphics with 4MB Graphics Performance Accelerator
- 48X Max CD-ROM
- Integrated AC97 Audio
- Integrated 3Com® 10/100 NIC
- MS® Windows® 2000 Professional
- OptiFrame™ Small Desktop Tool-less Chassis in Midnight Gray
- 3-Yr NBD On-Site Service*

\$1199  **E-VALUE CODE**
05988-390411a

BUSINESS LEASE: \$33/MO., 48 MOS.†

- Flat Panel Monitor Sold as an Upgrade



GET EXACTLY WHAT YOU'RE LOOKING FOR

800.247.2095

WWW.DELL.COM

Dell recommends Windows 2000 Professional for business.

Call: M-F 7a-9p | Sat 10a-6p | Sun 12p-5p CT | Canada: 800-232-6306 | Mexico: 001-877-269-3379 | GSA Contract #GS-35F-4076D



1GHZ. NOW IN NOTEBOOK FORM.



Dell™ Rated #1 in Notebook Satisfaction, 10th Consecutive Quarter
*Technology Business Research
Corporate IT Buying Behavior
and Customer Satisfaction Study.*
— 3rd Quarter 2000, December 14, 2000



**USE THE POWER OF
THE E-VALUE CODE.**
Match our latest technology with our latest prices.
Enter the E-VALUE code
online or give it to your
sales rep over the phone.
www.dell.com/evalue

Once, having a PC that ran at the speed of light meant being locked indoors. Well, now you can have the performance of an Intel® Pentium® III processor at 1.0GHz with the convenience of a Dell™ Inspiron™ 8000 notebook. And to show off the newfound power, there's a 15" display and a 16MB graphics card for blazing-fast images and brilliant displays. As if all that's not enough, you can also burn a CD and watch a DVD simultaneously on mere battery power or run up to 2 batteries while on the go. So now you can challenge light to a race. Anywhere, anytime.

DELL™ INSPIRON™ 8000

Performance and Versatility Notebook

- Intel® Pentium® III Processor at 1.0GHz
- 15" Super XGA+ TFT Display
- 64MB SDRAM ■ 5GB⁵ Ultra ATA HD
- Fixed CD-ROM (Upgrade to CD-RW or DVD)
- Modular Floppy (Upgrade to Optical or Zip Drive)
- Internal 56K Capable⁶ Mini-PCI Modem
- 16MB ATI® Mobility™-M4 3D⁷ Video, 4X AGP
- 59Whr Li-Ion Battery w/ExpressCharge™ Technology
- MS® Office 2000 Small Business ■ MS® Windows® Me
- 1-Yr Ltd Warranty², 1-Yr Mail-in Service, 1-Yr Phone Tech Support

\$2289  **E-VALUE CODE
05989-890422**

BUSINESS LEASE: \$63/MO., 48 MOS.¹¹

- Xircom® RealPort® Card Bus Ethernet 10/100 + 56K Capable⁶ Modem, add \$229
- Internal TrueMobile™ Wireless NIC⁴² Card, add \$99



GET EXACTLY WHAT YOU'RE LOOKING FOR

800.247.2095

WWW.DELL.COM

Includes Windows Millennium Edition — the home version of the world's favorite software.
Call: M-F 7a-9p | Sat 10a-6p | Sun 12p-5p CT | Canada: 800-232-6306 | Mexico: 001-877-269-3379 | GSA Contract #GS-35F-4076D

DELL™ HOME DESKTOPS:

DELL™ DIMENSION™ L Series

Affordable Desktop Solution

- Intel® Pentium® III Processor at 933MHz
- 64MB SDRAM
- 20GB⁵ Ultra ATA/100 Hard Drive
- 15" (13.8" vis) E551 Monitor
- Intel® 3D® AGP Graphics
- 48X Max CD-ROM Drive
- SoundBlaster 64V PCI LC Sound Card
- harman/kardon® Speakers
- 56K Capable⁶ PCI DataFax Modem
- MS® Works Suite 2001 ■ MS® Windows® Me
- 1-Yr Limited Warranty² ■ 1-Yr At-Home Service⁴
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included

\$799  **E-VALUE CODE**
05987-500407

ASK US ABOUT NO PAYMENTS FOR 90 DAYS.

DELL™ DIMENSION™ 4100 Series

Advanced Performance, Smart Value

- Intel® Pentium® III Processor at 1.0GHz
- 64MB SDRAM at 133MHz
- 20GB⁵ Ultra ATA/100 Hard Drive (7200 RPM)
- 17" (16.0" vis) E770 Monitor
- 16MB ATI Rage™ Pro
- NEW 8X/4X/32X Max CD-RW/DVD Combo Drive
- SB Live! Value Digital
- harman/kardon® Speakers
- 56K Capable⁶ PCI Telephony Modem
- MS® Works Suite 2001 ■ MS® Windows® Me
- 3-Yr Limited Warranty² ■ 1-Yr At-Home Service⁴
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included

\$1299  **E-VALUE CODE**
05987-500412

ASK US ABOUT NO PAYMENTS FOR 90 DAYS.

DELL™ DIMENSION™ 4100 Series

Advanced Performance, Smart Value

- Intel® Pentium® III Processor at 1.0GHz
- 128MB SDRAM at 133MHz
- 40GB⁵ Ultra ATA/100 Hard Drive (7200 RPM)
- 17" (16.0" vis) M781s Monitor
- NEW 32MB NVIDIA™ GeForce2 MX 4X AGP Graphics
- 8X/4X/32X Max CD-RW Drive
- 48X Max CD-ROM Drive
- Altec Lansing® ACS-340™ Speakers with Subwoofer
- MS® Works Suite 2001 ■ MS® Windows® Me
- 3-Yr Limited Warranty² ■ 1-Yr At-Home Service⁴
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included
- APC Pro8T2 SurgeArrest Surge Protector

\$1599  **E-VALUE CODE**
05987-500415

ASK US ABOUT NO PAYMENTS FOR 90 DAYS.

DELL™ HOME NOTEBOOKS:

DELL™ INSPIRON™ 4000

Thin and Light

- Intel® Celeron™ Processor at 700MHz
- 14.1" XGA TFT Display ■ 64MB 100MHz SDRAM
- 5GB⁵ Ultra ATA Hard Drive
- Modular 24X Max CD-ROM Drive
- 8MB ATI Rage Mobility™ 128 3D® 2X AGP Video
- Internal 56K Capable⁶ FaxModem
- Li-Ion Battery
- MS® Works Suite 2001 ■ MS® Windows® Me
- 1-Yr Limited Warranty² ■ 1-Yr Mail-in Service
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included

\$1349  **E-VALUE CODE**
05987-800413

ASK US ABOUT NO PAYMENTS FOR 90 DAYS.

DELL RECOMMENDED UPGRADE:

- 8X Max DVD-ROM Drive, add \$99

DELL™ INSPIRON™ 2100

NEW—Super Slim and Light

- Intel® Pentium® III Processor at 700MHz
- Featuring Intel® SpeedStep™ Technology
- 12.1" XGA TFT Display ■ 64MB 100MHz SDRAM
- 5GB⁵ Ultra ATA Hard Drive
- External Floppy Disk Drive
- 4MB ATI Rage Mobility™ M 3D® 2X AGP Video
- Internal 56K Capable⁶ FaxModem
- Internal 3Com® Ethernet 10/100 Network Adapter
- MS® Works Suite 2001 ■ MS® Windows® Me
- 1-Yr Limited Warranty² ■ 1-Yr Mail-in Service
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included

\$1899  **E-VALUE CODE**
05987-800418

ASK US ABOUT NO PAYMENTS FOR 90 DAYS.

DELL RECOMMENDED UPGRADES:

- External 24X Max CD-ROM Drive, add \$99
- External 8X Max DVD-ROM Drive, add \$199

DELL™ INSPIRON™ 8000

Multimedia Mobile Desktop

- Intel® Pentium® III Processor at 1.0GHz
- 15" Super XGA+ TFT Display
- 128MB 100MHz SDRAM
- 20GB⁵ Ultra ATA Hard Drive
- Fixed 8X Max DVD-ROM Drive
- Modular 8X Max CD-RW Drive
- 32MB ATI Mobility™-M4 3D® 4X AGP Video
- Internal 56K Capable⁶ FaxModem
- 59Whr Li-Ion Battery ■ harman/kardon® Audio
- MS® Works Suite 2001 ■ MS® Windows® Me
- 1-Yr Limited Warranty² ■ 1-Yr Mail-in Service
- 1 Year of DellNet™ by MSN® Internet Access¹⁰ Included

\$2899  **E-VALUE CODE**
05987-800428

ASK US ABOUT NO PAYMENTS FOR 90 DAYS.

DELL RECOMMENDED UPGRADE:

- 15" Ultra XGA TFT Display, add \$149



Includes Windows Millennium Edition — the home version of the world's favorite software.

Dell recommends Windows 2000 Professional for business.

Phone Hours: M-F 7a-9p | Sat 10a-6p
Sun 12p-5p CT | In Canada, call 800-232-6306
In Mexico, call 001-877-269-3379 | GSA
Contract #GS-35F-4076D

¹⁰Telephone access (call your phone co. for details) and other surcharges for access may apply. Must register within 30 days of receiving computer and accept DellNet/MSN Terms of Service. You agree to be billed monthly fees after the initial service period. You may cancel service at any time. Offer valid for new customers only in U.S. households and must be over 18 years old with major credit card. Limited time offer.

Prices, specifications and availability may change without notice. Taxes and shipping charges extra, and vary. Cannot be combined with other offers or discounts. U.S. only. ²For a copy of our Guarantees or Limited Warranties, write Dell USA L.P., Attn: Warranties, One Dell Way, Round Rock, Texas 78682. ⁴At-Home or On-Site service provided via third-party contract with customer. Technician will be dispatched, if necessary, following phone-based troubleshooting. To receive Next-Business-Day service, Dell must notify the service provider before 5 pm (customer's time). Availability varies. Other conditions apply. ⁵For hard drives, GB means 1 billion bytes; accessible capacity varies with operating environment. ⁶Download speeds limited to 53Kbps. Upload speeds are less (about 30Kbps) and vary by modem manufacturer and line conditions. Analog phone line and compatible server required. ¹⁰Business leasing arranged by Dell Financial Services L.P., an independent entity, to qualified customers. Lease payments based on 48-month FMV purchase option lease and do not include taxes, fees and shipping charges. Subject to credit approval and availability. Lease terms subject to change without notice. ¹¹Connect at a rate of 11Mbps up to 100m from connected access point. Range and speed may vary due to number of users, interference, transmission barriers (such as walls and building material) and other factors. Dell, the stylized E logo, E-Value, Dimension, Inspiron, Latitude, OptiPlex, PowerEdge and Dell Precision are trademarks of Dell Computer Corporation. Intel, the Intel Inside logo and Pentium are registered trademarks, and Intel SpeedStep and Celeron are trademarks of Intel Corporation. MS, Microsoft, MSN, Windows NT and Windows are registered trademarks of Microsoft Corporation. 3Com and Fast Ethernet are registered trademarks of 3Com Corporation. Trinitron is a registered trademark of Sony Corporation. Dell cannot be held responsible for errors in typography or photography. ©2001 Dell Computer Corporation. All rights reserved.



VALUE

USE THE POWER OF THE E-VALUE CODE. Match our latest technology with our latest prices. Enter the E-VALUE code online or give it to your sales rep over the phone. www.dell.com/evalcode



GET EXACTLY WHAT YOU'RE LOOKING FOR

800.247.2095

WWW.DELL.COM

DELL™ BUSINESS DESKTOPS:

DELL™ DIMENSION™ L Series

Affordable Business Desktop

- Intel® Pentium® III Processor at 933MHz
- 64MB SDRAM (up to 512MB)
- 20GB⁵ Ultra ATA/100 HD
- 15" (13.8" vis) E551 Monitor
- Intel® 3D[®] AGP Graphics ■ 48X Max CD-ROM
- SoundBlaster 64V PCI Sound Card
- PC Speakers
- 10/100 PCI Fast Ethernet NIC
- MS® Windows® Me & MS® Works Suite 2001 & Norton® AntiVirus™
- 1-Yr Ltd Warranty² ■ 1-Yr NBD On-Site Service⁴

\$799  **E-VALUE CODE**
05987-590407

BUSINESS LEASE: \$22/MO., 48 MOS.¹¹

- 17" (16.0" vis) E770 Monitor, add \$60
- 3-Yr Ltd Warranty²; 1-Yr NBD On-Site Service⁴, add \$69

DELL™ DIMENSION™ 4100 Series

Advanced Business Desktop

- Intel® Pentium® III Processor at 1.0GHz
- 64MB SDRAM (up to 512MB)
- 20GB⁵ Ultra ATA/100 HD (up to 80GB⁵)
- 15" (13.8" vis) E551 Monitor
- 16MB ATI® Rage™ Pro Graphics
- 48X Max CD-ROM
- Integrated Audio with SoundBlaster Pro/16
- harman/kardon® Speakers
- Integrated Intel® 10/100 NIC
- MS® Windows® Me & MS® Office 2000 Small Business & Norton® AntiVirus™
- 3-Yr Ltd Warranty² ■ 1-Yr NBD On-Site Service⁴

\$999  **E-VALUE CODE**
05987-590409

BUSINESS LEASE: \$28/MO., 48 MOS.¹¹

- 17" (16.0" vis) E770 Monitor, add \$60
- MS® Windows® 2000 Professional, add \$99

DELL™ OPTIPLEX™ GX150

Latest and Greatest Managed PC

- Intel® Pentium® III Processor at 933MHz
- 128MB PC133 SDRAM (up to 512MB)
- 20GB⁵ (7200 RPM) ATA/100 HD (up to 40GB⁵)
- 17" (16.0" vis) E771p Monitor (up to Flat Panel)
- Integrated Graphics with 4MB Graphics Performance Accelerator
- 48X Max CD-ROM
- Integrated AC97 Audio
- Integrated 3Com® 10/100 NIC
- MS® Windows® 2000 Professional
- OptiFrame™ Small Desktop Tool-less Chassis in Midnight Gray
- 3-Yr NBD On-Site Service⁴

\$1199  **E-VALUE CODE**
05987-390411a

BUSINESS LEASE: \$33/MO., 48 MOS.¹¹

DELL™ BUSINESS NOTEBOOKS:

DELL™ INSPIRON™ 3800

Design and Affordability Notebook

- Intel® Celeron™ Processor at 600MHz
- 12.1" SVGA TFT Display
- 64MB SDRAM ■ 5GB⁵ Ultra ATA HD
- Modular 24X Max Variable CD-ROM
- 8MB ATI® Rage Mobility™-M1 3D[®] Video, 2X AGP
- 4-cell Li-Ion Battery w/ExpressCharge™ Technology
- Internal 56K Capable⁶ Modem
- MS® Works Suite 2001 ■ MS® Windows® Me
- 1-Yr Ltd Warranty²; 1-Yr Mail-in Service, 1-Yr Phone Tech Support

\$1069  **E-VALUE CODE**
05987-890410

BUSINESS LEASE: \$30/MO., 48 MOS.¹¹

- Intel® Pentium® III Processor at 700MHz, add \$130
- 3-Yr NBD On-Site Service⁴ with Lifetime Phone Tech Support, add \$219

DELL™ INSPIRON™ 8000

NEW—Performance and Versatility Notebook

- Intel® Celeron™ Processor at 700MHz
- 14.1" Super XGA+ TFT Display
- 64MB SDRAM ■ 5GB⁵ Ultra ATA HD
- Fixed CD-ROM (Upgrade to CD-RW or DVD)
- Modular Floppy (Upgrade to Optical or Zip Drive)
- Internal 56K Capable⁶ Mini-PCI Modem
- 8MB ATI® Mobility™-M4 3D[®] Video, 4X AGP
- 59Whr Li-Ion Battery w/ExpressCharge™ Technology
- MS® Office 2000 Small Business
- MS® Windows® Me
- 1-Yr Ltd Warranty²; 1-Yr Mail-in Service, 1-Yr Phone Tech Support

\$1639  **E-VALUE CODE**
05987-890416

BUSINESS LEASE: \$45/MO., 48 MOS.¹¹

- Internal TrueMobile™ Wireless NIC¹² Card, add \$99
- 3-Yr NBD On-Site Service⁴ with Lifetime Phone Tech Support add \$219

DELL™ LATITUDE™ CPt

Network-Optimized Value Notebook

- Intel® Celeron™ Processor at 600MHz
- 12.1" SVGA Active Matrix Display (14.1" XGA Available)
- 64MB SDRAM ■ 6GB⁵ Ultra ATA HD
- 8MB ATI® Mobility™-M1 Video, 2X AGP
- MS® Windows® 98, Second Edition
- Modular 24X Max CD-ROM/Floppy Drive
- Internal 56K Capable⁶ SoftModem
- Li-Ion Battery w/ExpressCharge™ Technology
- Dual Pointing – Touchpad and Pointing Stick
- 1-Yr NBD On-Site Service⁴

\$1399  **E-VALUE CODE**
05987-790413

BUSINESS LEASE: \$39/MO., 48 MOS.¹¹

- 14.1" Active Matrix Display, add \$200
- Deluxe Nylon Carrying Case, add \$69

DELL™ SERVERS AND WORKSTATIONS:

DELL™ POWEREDGE™ 300SC

NEW—Basic Server at Our Lowest Price

- Intel® Pentium® III Processor at 800MHz (up to 850MHz)
- Dual Processor Capable
- 64MB 100MHz ECC SDRAM (up to 1GB)
- 10GB⁵ (7200 RPM) IDE HD (up to 40GB⁵)
- Intel® Pro/100+ PCI Ethernet Adapter
- 48X Max IDE CD-ROM
- Dell™ OpenManage™ Server Management Solutions
- 1-Yr NBD On-Site Service⁴, Years 2 & 3 Parts & Labor
- 7x24 Phone Tech Support

\$899  **E-VALUE CODE**
05987-290408

BUSINESS LEASE: \$24/MO., 48 MOS.¹¹

- 2nd 10GB⁵ (7200 RPM) IDE HD, add \$109
- 2nd Intel® Pentium® III Processor at 800MHz, add \$399

DELL™ POWEREDGE™ 1400SC

NEW—Small Business Value Solution

- Intel® Pentium® III Processor at 800MHz (up to 1.0GHz)
- Dual Processor/RAID Capable
- 128MB 133MHz ECC SDRAM (up to 2GB)
- 9GB⁵ (7200 RPM) Ultra3 (Ultra 160) SCSI HD (up to 36GB⁵ 10K RPM)
- Integrated NIC/SCSI Controllers
- 48X Max IDE CD-ROM
- Dell™ OpenManage™ Server Management Solutions
- 3-Yr NBD On-Site Service⁴
- 7x24 Phone Tech Support

\$1099  **E-VALUE CODE**
05987-290410

BUSINESS LEASE: \$30/MO., 48 MOS.¹¹

- 2nd 9GB⁵ (7200 RPM) Ultra3 SCSI HD, add \$219
- Small Business Bundle Upgrade, add \$1879

DELL™ PRECISION™ 220

Advanced Performance Workstation

- Intel® Pentium® III Processor at 933MHz (up to 1.0GHz)
- Tower Chassis
- Dual Processor/RAID Capable
- 128MB PC600 RDRAM (up to 1GB)
- 10GB⁵ (7200 RPM) EIDE HD (up to 73.4GB⁵ 10K RPM SCSI)
- NVIDIA TNT2 Pro 16MB 4X AGP Graphics Card
- Integrated NIC & Sound
- 48X Max CD-ROM
- MS® Windows® 2000 Professional
- 3-Yr NBD On-Site Service⁴
- 7x24 Dedicated Workstation Phone Tech Support

\$1399  **E-VALUE CODE**
05987-490413

BUSINESS LEASE: \$39/MO., 48 MOS.¹¹

- Monitor Sold as an Upgrade



IT'S NOT A GOOD BUY, IT'S THE BEST BUY.



PC World's #1 Best Buy Award
Top 10 Midrange PCs
— April 2001

There are plenty of average "good buys" out there. Only one, however, earned *PC World's* #1 Best Buy Award in the category of Top 10 Midrange PCs. It's the Dell™ Dimension™ 4100, of course. The reason for all this excitement? It's because of 128MB of SDRAM, an SB Live! Value Digital Sound Card and a PCI Telephony modem included on a machine that's powered by an Intel® Pentium® III processor at an impressive 1.0GHz. We could go on and on about what makes the Dimension 4100 a best buy, but thanks to *PC World*, we don't have to.

DELL™ DIMENSION™ 4100 Series

Advanced Business Desktop

- Intel® Pentium® III Processor at 1.0GHz
- 128MB SDRAM (up to 512MB)
- 20GB* (7200 RPM) Ultra ATA/100 HD (up to 80GB*)
- 17" (16.0" vis) E770 Monitor
- 16MB ATI® Rage™ Pro Graphics
- 48X Max CD-ROM ■ SB Live! Value Digital Sound
- harman/kardon® Speakers
- PCI Telephony Modem for Windows®
- MS® Windows® Me & MS® Office 2000 Small Business & Norton® AntiVirus™
- 3-Yr Ltd Warranty² ■ 1-Yr NBD On-Site Service⁴

\$1199  **E-VALUE CODE**
05986-590411a

BUSINESS LEASE: \$33/MO., 48 MOS.¹¹

- Logitech Wireless Keyboard & Mouse, add \$65
- 3-Yr NBD On-Site Service⁴, add \$99
- Flat Panel Monitor Sold as an Upgrade



USE THE POWER OF
THE E-VALUE CODE.
Match our latest technology with our latest prices. Enter the E-VALUE code online or give it to your sales rep over the phone. www.dell.com/evaluate



GET EXACTLY WHAT YOU'RE LOOKING FOR

800.247.2095

WWW.DELL.COM

Dell recommends Windows 2000 Professional for business.

Call: M-F 7a-9p | Sat 10a-6p | Sun 12p-5p CT | Canada: 800-232-6306 | Mexico: 001-877-269-3379 | GSA Contract #GS-35F-4076D